

Precollege Program

GEAR UP

Bergen Community College

NJ Higher Education Sector: Community College

Year Began: 1999 Participants Served: 341

CONTACT INFORMATION

Ms. Jill Cannady, Program Director

Bergen Community College

Dwight Morrow High School, Englewood, NJ 07631

Telephone: (201) 227-2332

Partners: Dwight Morrow High School

DESCRIPTION

Program Services (Academic):

Remedial Instruction, Computer Skills Training, Study Skills Training, Reading/Writing Instruction, Math/Science Instruction, Critical Thinking Skill Development, Grade & Attendance Monitoring, Specialized services for disabilities.

Program Services (Other):

Social Skills Development/Confidence Building, College Fairs, College Awareness, Career Counseling, Mentoring, Personal Counseling, Cultural Activities

Health Careers Academy

Bergen Community College

NJ Higher Education Sector: Community College

Year Began: 2004 Participants Served: 9

CONTACT INFORMATION

Joan Verderame, Director of Surgical Technology/ Associate Professor

Bergen Community College

400 Paramus Road, Paramus, NJ 07652

Telephone: (201) 447-7921

Email: jverderame@bergen.edu

Web Site: www.bergen.edu

Partners: Ridgewood High School

DESCRIPTION

Bergen Community College and Ridgewood High School are collaborating on an initiative called "Health Careers Academy." This pathway will provide high school students the opportunity to take general education and science courses given by the College on its campus. While still in high school, student participants will be able to significantly expand their degree and career options by receiving college credit for these courses. This collaborative effort will strengthen student academic preparation, reduce the need for remediation and prerequisite course work, decrease time and financial requirements for students, and increase rates of graduation, certification and transfer.

GEAR UP Program

Englewood Public Schools

NJ Higher Education Sector:

Year Began: 1999 Participants Served: 379

CONTACT INFORMATION

Jill Cannady, Project Director

Englewood Public Schools

274 Knickerbocker Road, Englewood, NJ 07631

Telephone: (201) 227-2332

Fax: (201) 871-4525

Email: jcannady@epsd.org

Partners: Janis E. Dismus Middle School, Dwight Morrow High School

DESCRIPTION

Program Services (Academic):

Study Skills Training, Math tutorial - Middle school (7th-8th grade)

Program Services (Other):

Social Skills Development/Confidence Building, Leadership Development, Campus Visits & Tours, College Fairs, Career Counseling, Mentoring, Personal Counseling, Cultural Activities

Precollege Program

Upward Bound Program

Bloomfield College

NJ Higher Education Sector: Independent College or University

Year Began: 1966

Participants Served: 65

CONTACT INFORMATION

Ms. Doris Ann Richardson, Director
Bloomfield College
467 Franklin Street, Bloomfield, NJ 07033
Telephone: (973) 748-7615
Email: errb9@aol.com

Partners: Newark, East Orange, and Orange School Districts

DESCRIPTION

The goal of the Bloomfield College Upward Bound Program is to prepare its participants to complete their education beyond high school and to develop, progress, and change into productive, well-rounded individuals. Participants of the program will be more effective communicators upon completion. The program employs a holistic approach toward the accomplishment of its intended objective. Students are offered academic, cultural, social, creative, artistic, and professional enrichment.

Hosted by Bloomfield College since 1966, the Upward Bound Program is a precollege program, serving teenagers (13 - 18 years of age) from selected high schools in the Newark and East Orange areas. The program offers a follow-up component from September - April and a six-week summer residential component from June - August. The eligibility criteria includes completion of the 8th grade, poverty level, household income, and/or first generation status.

Program for Acceleration in Careers of Engineering (PACE)

Brookdale Community College

NJ Higher Education Sector: Community College

Year Began: 1982

Participants Served: 43

CONTACT INFORMATION

John M. Jones, Co-Administrator
Brookdale Community College
P.O. Box 493, Lincroft, NJ 07738
Telephone: (908) 226-0116
Email: coadmins@pace-monmouth.org
Web Site: <http://www.pace-monmouth.org/>

DESCRIPTION

PACE is a science and engineering awareness program in which professionals volunteer their time to work with minority □high school students to help them prepare for college and technical careers. Emphasis is placed on mathematics □instruction, engineering orientation, college preparatory skills, leadership development and cultural awareness. The □primary objectives of the program are to increase student awareness of and desire to pursue career opportunities in science, engineering, and technology; enhance each student's academic preparation for such careers; and instill self-esteem, cultural pride and awareness of African-American and Latino technical accomplishments.

College Bound of Burlington County

Burlington County College

NJ Higher Education Sector: Community College

Year Began: 1998

Participants Served: 40

CONTACT INFORMATION

Dr. Patricia A. Cerulli, Dean of Liberal Arts
Burlington County College
County Route 530, Pemberton, NJ 08068
Telephone: (609) 894-9311
Fax: (609) 726-0442
Email: pcerulli@bcc.edu
Web Site: <http://staff.bcc.edu/CBOUND/>

Partners: Burlington City High School, Pemberton High School

DESCRIPTION

The College Bound program funded by the NJ Commission on Higher Education targets 40 high school students from the districts of Burlington City and Pemberton Township. The grant supports precollege educational and enrichment activities to ensure that students complete high school and successfully pursue post-secondary careers in math, science, or technology. Funds for the grant are designated to provide on-campus programs during the summer and after-school activities during the academic year. During the summer, students enroll in a 3-credit course, plus additional supplemental courses including college study skills. The course work varies from year to year providing new and exciting learning opportunities for students. Students also receive a \$350 scholarship upon completion of the summer program. During the academic year, students are provided academic advisement, tutoring, career exploration, and financial aid information. College mentors and tutors serve as role models throughout the program.

Precollege Program

P.A.S.S. Partners for Academic Student Success

Burlington County College
NJ Higher Education Sector: Community College
Participants Served: 0

CONTACT INFORMATION

Dr. Patricia Cerulli, Dean of Liberal Arts
Burlington County College
County Route 530, Pemberton, NJ 08068
Telephone: (609) 894-9311
Fax: (609) 726-0442
Email: pcerulli@bcc.edu

Partners: all districts in Burlington County (pilot programs in Beverly, Bordentown, Moorestown, Lenape, Pemberton)

DESCRIPTION

The P.A.S.S. program is a county-wide tutoring program initiated by Burlington County College. The program is currently serving five pilot school districts (Beverly, Bordentown, Moorestown, Pemberton, and Cherokee High School) with plans to expand. The district refers students who need tutoring to the PASS Office at the College. The College assigns a tutor, who then provides after-school tutoring in the student's school district. Tutoring sessions begin immediately after school ☐on Tuesdays, Wednesdays, and Thursdays.

Summer Link

Burlington County College
NJ Higher Education Sector: Community College
Year Began: 1998

CONTACT INFORMATION

Dr. Patricia Cerulli, Dean of Liberal Arts
Burlington County College
County Route 530, Pemberton, NJ 08068
Telephone: (609) 894-9311
Fax: (609) 726-0442
Email: pcerulli@bcc.edu

Partners: nine school districts in Burlington County

DESCRIPTION

Project Summer Link is a collaborative educational summer program designed to provide tutorial and enrichment activities for specially selected middle school youth. This project "links" college students from Burlington County College as tutors and mentors with junior high school students from nine school districts. The goals of the program are to help middle school students increase school attendance, improve academic skills, and develop enhanced self-esteem. The program runs on the Mt. Laurel and Pemberton campuses for the month of July and engages the students in tutorial and enrichment activities. The program includes small group seminars throughout each day to provide an opportunity for discussion and academic and social guidance. Field trips vary but have included the U.S.S. New Jersey, The Franklin Institute, The Constitution Center, and a working dairy farm. Students serving as mentors must have a strong interest in teaching and demonstrate an enthusiasm for working with youth who may have a record of poor attendance, low academic performance, or possibly a difficult home situation.

Colegio Y Mas! Como No!

Caldwell College
NJ Higher Education Sector: Independent College or University
Year Began: 1992 Participants Served: 30

CONTACT INFORMATION

Ana Serra Prescott, Director of Student Activities
Caldwell College
9 Ryerson Ave, Caldwell, NJ 07006
Telephone: (973) 618-3494
Fax: (973) 618-3929
Email: aprescot@caldwell.edu

Partners: Bergen, Passaic, Hudson, Union, and Essex Counties

DESCRIPTION

Program Services (Academic):
Computer Skills Training, Study Skills Training, Critical Thinking Skill Development, Awareness of positive and negative issues and situations that surround them all year

Program Services (Other):
Social Skills Development/Confidence Building, Leadership Development, College Awareness, Career Counseling, Personal Counseling, Cultural Activities

Precollege Program

Upward Bound

Camden County College
NJ Higher Education Sector: Community College
Participants Served: 98

CONTACT INFORMATION

Gil Shaw, Director
Camden County College
P.O. Box 200, Blackwood, NJ 08012
Telephone: (856) 227-7200 x4327
Fax: (856) 374-4966
Email: gshaw@camdencc.edu
Partners: Overbrook High School, Winslow High School, Lindenwold High School

DESCRIPTION

Camden County College's Upward Bound Program is designed to generate in its 80 participants the skills and motivation needed to graduate from a secondary education program and to enroll and succeed in a post-secondary institution. The Upward Bound program provides the following services: mentoring, college assistance and preparation, academic instruction in English, mathematics, science, foreign language, computers and other subjects as needed by program participants, career exploration, tutoring, cultural enrichment, counseling, a comprehensive summer component, and SAT preparation in addition to other services necessary for future success.

The College Bound Program

The College of New Jersey
NJ Higher Education Sector: State College or University
Year Began: 1986 Participants Served: 140

CONTACT INFORMATION

James Chambers, Director
The College of New Jersey
P.O. Box 7718, Ewing, NJ 08628-0718
Telephone: (609) 771-2575
Fax: (609) 637-5149
Email: jchamber@tcnj.edu

DESCRIPTION

Program Services (Academic):
Computer Skills Training, Math/Science Instruction, Critical Thinking Skill Development, Grade & Attendance Monitoring

Program Services (Other):
Social Skills Development/Confidence Building, Leadership Development, Campus Visits & Tours, College Fairs, College Awareness, Career Counseling, Mentoring, Personal Counseling, Cultural Activities

Educational Talent Search

Cumberland County College
NJ Higher Education Sector: Community College
Year Began: 1986 Participants Served: 1025

CONTACT INFORMATION

W. Barry McLaughlin, Director, Student Support Services
Cumberland County College
College Drive, Vineland, NJ 08362
Telephone: (856) 691-8600 x243
Fax: (856) 690-0059
Email: wbmc@cccnj.net
Web Site: www.cccnj.net/~geri/TalentSearch/talent.htm
Partners: Vineland School District

DESCRIPTION

Program Services (Academic):
Computer Skills Training, Study Skills Training, Critical Thinking Skill Development, Grade & Attendance Monitoring

Program Services (Other):
Social Skills Development/Confidence Building, Leadership Development, Campus Visits & Tours, College Fairs, College Awareness, Career Counseling, Mentoring, Personal Counseling, Cultural Activities

Precollege Program

GEAR UP

Cumberland County College

NJ Higher Education Sector: Community College

Year Began: 2000

Participants Served: 250

CONTACT INFORMATION

Vera Hextall, Director, GEAR UP

Cumberland County College

3rd and Plum St., Vineland, NJ 08360

Telephone: (856) 794-6700 x2022

Email: vhexstal@vineland.org

Partners: Vineland School District

DESCRIPTION

Program Services (Academic):

Remedial Instruction, Computer Skills Training, Study Skills Training, Reading/Writing Instruction, Math/Science Instruction, Grade & Attendance Monitoring

Program Services (Other):

Social Skills Development/Confidence Building, Leadership Development, Campus Visits & Tours, College Fairs, College Awareness, Career Counseling, Mentoring, Personal Counseling, Cultural Activities

School Counts!

Cumberland County College

NJ Higher Education Sector: Community College

Year Began: 2001

CONTACT INFORMATION

Sue Ann Perry, Executive Director, Foundation

Cumberland County College

3322 College Drive, Vineland, NJ 08362-1500

Telephone: (856) 691-8600 x298

Email: alumni@cccnj.net

Web Site: <http://www.cccnj.edu/ccc/pages/foundation/WithSchoolCountsWeAll>

Partners: all schools in Cumberland County (public and private)

DESCRIPTION

Program Services (Academic):

Grade & Attendance Monitoring

Program Services (Other):

College Awareness, Cultural Activities

College Bound Tech Program

Essex County College

NJ Higher Education Sector: Community College

Year Began: 1998

Participants Served: 50

CONTACT INFORMATION

Betty Foster/Lilisa J. Williams, Director/ Associate Director

Essex County College

303 University Avenue, Newark, NJ 07102

Telephone: (973) 877-1936

Fax: (973) 877-3294

Email: foster@essex.edu and lwilliams@essex.edu

Partners: Newark Public Schools

DESCRIPTION

Essex County College's College Bound Tech Program serves 150 middle school students, grades 7-8, from Newark Public Schools. The program provides educational support and enrichment activities to ensure the completion of middle school and successful pursuit of a postsecondary education. Although the program is open to all Newark middle school students, College Bound Tech specifically targets three Newark middle schools (Thirteenth Avenue, Vailsburg and Camden Middle Schools). The College Bound Tech Program staff works closely with the targeted schools to provide its students with academic support in the areas of mathematics, science, technology, and language arts. The program is based on the premise that these students, despite their disadvantages, can successfully pursue post-secondary education in the sciences, mathematics, or technology fields. The key is to provide students with the tools and encouragement they need to make the journey. The program includes a four-week summer component and an academic year program complete with Grade Eight Proficiency Assessment (GEPA) preparation, computers, individual tutoring, field trips, motivational experiences, college exposure, and career awareness workshops.

Precollege Program

GEAR UP Newark

Essex County College

NJ Higher Education Sector: Community College

Year Began: 2000 Participants Served: 1300

CONTACT INFORMATION

Cassandra E. Davis, Director
Essex County College
Essex County College, 303 University Ave. room #1128, Newark, NJ 07102
Telephone: (973) 877-3245
Fax: (973) 877-3297
Email: cdavis@essex.edu

Partners: Newark Public Schools

DESCRIPTION

The aim of the GEAR UP Newark program is to strengthen and build the capacity of Central High School feeder schools to improve student academic achievement and increase the number of low-income students who are prepared for and who will pursue postsecondary education. Strategic activities are targeted at three core groups: students, parents, and teachers.

Project GRAD Summer Institute

Essex County College

NJ Higher Education Sector: Community College

Year Began: 1998 Participants Served: 80

CONTACT INFORMATION

Susan Schenk, Director of Project GRAD
Essex County College
303 University Ave., Newark, NJ 07102
Telephone: (973) 877-3533
Email: schenk@essex.edu

Partners: Malcolm X Shabazz High Schoo, Central High School

DESCRIPTION

Summer institutes are an important component of Project GRAD Newark. Each GRAD scholar is required to attend two summer institutes, which may be taken after the freshman, sophomore or junior year of high school. Essex County College offers the post-freshman summer institute. The summer institutes are enrichment programs that better prepare Project GRAD students for course work at the high school and college level. Summer institutes also provide Project GRAD students with encouragement to complete high school and continue on to college.

Talent Search Program

Essex County College

NJ Higher Education Sector: Community College

Year Began: 1975 Participants Served: 1200

CONTACT INFORMATION

Betty Foster/Shelley Pettiford, Director/Associate Director
Essex County College
303 University Avenue, Newark, NJ 07102
Telephone: (973) 877-3196
Fax: (973) 877-3294
Email: foster@essex.edu and pettiford@essex.edu

Partners: Newark School District

DESCRIPTION

The Talent Search Program promotes retention and actively seeks to improve educational opportunity and access for target community students who traditionally have not participated fully in the advantages which higher education provides. The program's primary focus is to assist students from disadvantaged backgrounds to not only continue in and complete grades six through twelve but also to enroll in postsecondary educational programs. The program targets low-income and first-generation middle and high school students, and dropouts ages 11-27. Annual enrollment is open to 1200 students who attend Central, Technology, West Side, Malcolm X. Shabazz and West Kinney High Schools and Warren Street, Miller Street and William Brown Academy Middle Schools. During the program year, September-May, students receive academic preparation for the Grade Eight Proficiency Assessment (GEPA), High School Proficiency Assessment (HSPA) and the Scholastic Assessment Test (SAT) as well as computer learning classes. In addition, students also have the opportunity to participate in college tours, cultural enrichment activities, tutoring, career assessment and counseling. Talent Search has operated under the auspices of Essex County College for the past twenty-six years. Project students have enrolled and graduated from undergraduate schools and continued on to graduate institutions and have become productive citizens within their communities.

Precollege Program

Upward Bound

Essex County College

NJ Higher Education Sector: Community College

Year Began: 1971 Participants Served: 135

CONTACT INFORMATION

Betty Foster, Director-Department of Special Programs
Essex County College
303 University Avenue, Newark, NJ 07102
Telephone: (973) 877-3196
Fax: (973) 877-3294
Email: foster@essex.edu
Web Site: www.essex.edu

Partners: Newark School District

DESCRIPTION

The Upward Bound program seeks to improve educational opportunity and access for community students that traditionally have not participated fully in the advantages of higher education. Its objective is to assist students from disadvantaged backgrounds to complete secondary school and to enroll in and graduate from post-secondary educational programs. It is committed to providing activities and services tailored to meet the needs of students in achieving these goals and to monitoring student progress through post-secondary graduation in order to evaluate overall program effectiveness. The program targets low-income Newark high school students, 13-19 years of age, most of whom are the first generation of their families to consider post-secondary education. Annual enrollment is open to 135 students who attend Barringer, Central, East Side, Malcolm X Shabazz, West Side and Science high schools. During an intensive six-week summer session and during the academic year on Saturdays and after school, students are involved in rigorous academic study with an emphasis on English, mathematics and science. In addition, they receive access to tutoring, counseling, cultural enrichment activities and other support services. The Upward Bound Program has operated under the auspices of Essex County College for the past thirty years and remains consistent with the institutional mission to "encourage people to enroll and excel who otherwise might not aspire to higher education" and provide "counseling, academic support services, cultural recreational activities which promote a positive self-image and which facilitate the intellectual, social, emotional and physical development of students."

J & J Pre-Collegiate Science Grant: Urban Initiatives for Pre-college Science Education

Georgian Court University

NJ Higher Education Sector: Independent College or University

Participants Served: 0

CONTACT INFORMATION

Dr. Prasad Lakkaraju
Georgian Court University
Lakewood, NJ
Telephone: (732) 987-2319
Email: lakkaraju@georgian.edu

DESCRIPTION

Program Services (Academic):
Remedial Instruction, Math/Science Instruction, Critical Thinking Skill Development

Program Services (Other):
Social Skills Development/Confidence Building, Campus Visits & Tours, Mentoring, Cultural Activities

Gear Up / Onward

Kean University

NJ Higher Education Sector: State College or University

Year Began: 2000 Participants Served: 0

CONTACT INFORMATION

Jose Caceres, Director
Kean University
100 Morris Ave. EC106, Union, NJ 07208
Telephone: (908) 527-2994
Fax: (908) 353-7270

Partners: William C. McGinnis Middle School

DESCRIPTION

Program Services (Academic):
Computer Skills Training, Study Skills Training, Reading/Writing Instruction, Math/Science Instruction, Critical Thinking Skill Development, Grade & Attendance Monitoring

Program Services (Other):
Social Skills Development/Confidence Building, Leadership Development, Campus Visits & Tours, College Fairs, College Awareness, Career Counseling, Mentoring, Cultural Activities

Precollege Program

Project Adelante

Kean University

NJ Higher Education Sector: State College or University

Year Began: 1988

Participants Served: 181

CONTACT INFORMATION

Jose Caceres, Director

Kean University

100 Morris Ave. EC106, Union, NJ 07208

Telephone: (908) 737-5981

Fax: (908) 737-5985

Email: adelante@kean.edu

Web Site: www.kean.edu/~adelante

Partners: Perth Amboy High School, Lincoln Middle School, McGinnis Middle School, Roosevelt Middle School, Shull Middle School, Maxon Middle School, Passaic High School

DESCRIPTION

The mission of Project Adelante is to help at risk Latino youngsters in grades 6-12 achieve their fullest potential, graduate from high school and go on to higher education.

School of the Arts

Kean University

NJ Higher Education Sector: State College or University

Year Began: 2001

Participants Served: 12

CONTACT INFORMATION

Dr. Michael DeSiano, Chair, Department of Fine Arts

Kean University

1000 Morris Ave., Union, NJ 07083

Telephone: (908) 737-4397

Fax: (908) 527-6254

Email: mdesiano@kean.edu

DESCRIPTION

Program Services (Academic):

Computer Skills Training, Critical Thinking Skill Development, Aesthetic principles; Social Skills Development/Confidence Building

Program Services (Other):

Social Skills Development/Confidence Building, Leadership Development, Campus Visits & Tours, Gallery exhibit on campus

Science STAR / Health EPIC

Kean University

NJ Higher Education Sector: State College or University

Year Began: 1987

Participants Served: 100

CONTACT INFORMATION

Dr. Steven Kubuw, Professor of Chemistry

Kean University

1000 Morris Ave., Union, NJ 07083

Telephone: (908) 527-3021

Fax: (908) 354-2746

Email: skubo@kean.edu

Partners: nine high schools in Union County

DESCRIPTION

Kean University currently offers two five-week summer programs for minority high school juniors in the immediate vicinity of Kean University. The two programs, Project Health Epic and Project Science Star, are administered out of the College of Natural, Applied and Health Sciences. Both programs have vocabulary building and problem solving components, but differ in their academic thrusts. The programs take place four days a week for a five-week period during the summer, and students receive a \$300.00 stipend for successful completion.

Project Health Epic is designed to help students focus on health careers other than the usual professional options of medicine and dentistry. These include Medical Laboratory Science, Health Information Management, Nursing, Occupational Therapy and Physical Therapy. Students in this program are exposed to the various allied health professions from lectures by health professionals engaged in their particular occupations. Additionally, these students have hands-on experience in Biology and also receive computer instruction.

Project Science Star is designed to demonstrate how several science disciplines can work together to solve a problem. Emphasis is on an experimental approach to science and students collect data from experiments of their design. The sciences involved are Biology, Chemistry, Earth Science, and Mathematics/Computer Science. Experiments are conducted in each of the sciences with the exception of Math/CPS. In Math/CPS students learn how to analyze data collection with the use of a computer statistics package.

Precollege Program

Women Into Science and Technology - WIST

Kean University

NJ Higher Education Sector: State College or University

Year Began: 1994

Participants Served: 200

CONTACT INFORMATION

Dr. Ludija Kampa, Professor Chemistry

Kean University

1000 Morris Ave., Union, NJ 07083

Telephone: (908) 527-2487

Fax: (908) 354-2746

Email: lkampa@kean.edu

Partners: 10 local high schools

DESCRIPTION

The Kean University Women Into Science and Technology (WIST) project is an outreach program to support and mentor high school girls in mathematics, science and technology. This program includes high school girls and their teachers, Kean University female undergraduates and faculty, and female scientists from local industries. The goals of WIST are to encourage high school girls to persevere in math, science and technology courses, and to consider pursuing careers in these fields. The program also strives to give undergraduate females the opportunity to act as mentors for the high school girls while interacting with professional scientists. WIST offers two all day programs: one in the spring called Career Activity Day and one in the fall called Experience Day at Kean. There are ten local high schools that participate in these programs and each high school sends 10 girls and 2-3 teachers. WIST also gives workshops at the local high school, where Kean University faculty and undergraduate women visit the high schools and present workshops to WIST participants.

Educational Talent Search

Mercer County Community College

NJ Higher Education Sector: Community College

Year Began: 1981

Participants Served: 771

CONTACT INFORMATION

Donald Davis, Director - Youth College

Mercer County Community College

North Broad & Academy Streets, Trenton, NJ 08608

Telephone: (609) 586-4800 x6657

Fax: (609) 695-8573

Email: davisd@mccc.edu

Web Site: www.mccc.edu/community_youth_jkc.shtml

Partners: Trenton Public Schools

DESCRIPTION

Educational Talent Search is an outreach program designed to motivate Trenton area youth and adults to identify and consider their educational and career options. The program identifies 850 qualified individuals with potential for education at the postsecondary level and encourages them to complete secondary school and undertake a program of post-secondary education. Working in collaboration with the school district and community organizations, the Talent Search program offers tutoring, academic, personal and career counseling referral services, assistance with postsecondary admissions and financial aid applications, computer aided instruction, parental assistance and cultural/educational enrichment field trips.

NJ Youth Corps of Trenton

Mercer County Community College

NJ Higher Education Sector: Community College

Participants Served: 60

CONTACT INFORMATION

Elizabeth Payer, Director, NJ Youth Corps of Trenton

Mercer County Community College

6 Esther Ave., Ewing, NJ 08618

Telephone: (609) 530-2625

Fax: (609) 530-4277

Email: dhs008nj-02@rcc.com

Web Site: www.mccc.edu/youth/jkcyouth/jkcyouth.htm

Partners: Trenton School District

DESCRIPTION

Program Services (Academic):

Remedial Instruction, Reading/Writing Instruction, Math/Science Instruction, Critical Thinking Skill Development, Grade & Attendance Monitoring, GED Prep

Program Services (Other):

Social Skills Development/Confidence Building, Leadership Development, Campus Visits & Tours, Career Counseling, Personal Counseling, Cultural Activities

Precollege Program

Project SMILE/GEAR UP

Mercer County Community College

NJ Higher Education Sector: Community College

Year Began: 1999 Participants Served: 331

CONTACT INFORMATION

Wayne P. Murray, Director
Mercer County Community College
P.O. Box B (North Broad and Academy Streets), Trenton, NJ 08690
Telephone: (609) 586-4800 x6578
Fax: (609) 695-8573
Email: murrayw@mccc.edu
Web Site: www.mccc.edu

Partners: Hedgepeth Williams Middle School, Joyce Jilmer Middle School, Luis-Munoz Rivera Middle School, Trenton Central High School, Arthur Holland Middle School, Trenton Central High School West

DESCRIPTION

Project SMILE/GEAR UP is a program for 7th-12th grade students who live in Trenton and wish to participate in math, science, reading and computer classes that reinforce their classroom instruction. Before being assigned to classes, students are tested and placed at appropriate levels. Classroom activities include lecture, lab, and practical experience with computers. Students also go on cultural enrichment field trips that help to develop their understanding of the world around them. Tutoring and individual instruction is provided in subjects that students find difficult. Counseling is also offered, and provides the motivational tools needed for success in an academic environment.

Project SMILE-Community of Learners-Bristol Myers Squibb

Mercer County Community College

NJ Higher Education Sector: Community College

Year Began: 1999 Participants Served: 30

CONTACT INFORMATION

Wayne P. Murray, Director
Mercer County Community College
North Broad and Academy Streets, Trenton, NJ 08658
Telephone: (609) 586-4800 x6578
Fax: (609) 983-8453
Email: murrayw@mccc.edu
Web Site: http://www.mccc.edu

Partners: Trenton School District

DESCRIPTION

Program Services (Academic):
Remedial Instruction, Computer Skills Training, Academically accelerated courses below the college level, e.g. A.P., Study Skills Training, Reading/Writing Instruction, Math/Science Instruction, Critical Thinking Skill Development

Program Services (Other):
Social Skills Development/Confidence Building, Leadership Development, Campus Visits & Tours, College Fairs, Career Counseling, Mentoring, Personal Counseling, Cultural Activities

Twilight High School and Honors Program

Mercer County Community College

NJ Higher Education Sector: Community College

Year Began: 1999 Participants Served: 4

CONTACT INFORMATION

Donald Jones, Director Enrollment Services
Mercer County Community College
P.O. Box B (North Broad & Academy Streets), Trenton, NJ 08690
Telephone: (609) 586-4800 x6647
Email: jonesd@mccc.edu

Partners: Trenton Central High School

DESCRIPTION

The Kerney Twilight High School Program prepares at-risk Trenton youth for their high school diploma. They can also earn college credits.

Precollege Program

Upward Bound

Mercer County Community College

NJ Higher Education Sector: Community College

Year Began: 1978 Participants Served: 80

CONTACT INFORMATION

Donald Davis, Director - Youth College
Mercer County Community College
P.O. Box B (North Broad & Academy Streets), Trenton, NJ 08690
Telephone: (609) 586-4800 x6657
Fax: (609) 695-8573
Email: davisd@mccc.edu
Web Site: www.mcc.edu/youth/jkcyouth/jkcyouth.htm

Partners: Trenton Central High School

DESCRIPTION

Upward Bound provides academic services to high school students who reside in Trenton and are educationally and economically disadvantaged, but have the desire and potential to succeed in post-secondary institutions. Academic enrichment is provided throughout the school year and during a six-week summer academy. College tours and cultural excursions provide students the opportunity to experience life beyond their community. Upward Bound students receive fee waivers for college applications and SAT exams, as well as, transportation to and from the James Kerney Campus. Upward Bound applicants must meet federal income guidelines, demonstrate scholastic potential and obtain recommendations from guidance counselors, teachers and community leaders in order to participate. More than 85% of Mercer's Upward Bound graduates enroll in post-secondary institutions throughout the United States.

A-Step-Alliance for Successful Teen Employment Program

Middlesex County College

NJ Higher Education Sector: Community College

Year Began: 1992 Participants Served: 0

CONTACT INFORMATION

Kevin Jarido, Coordinator
Middlesex County College
140 New Street, New Brunswick, NJ 08901
Telephone: (732) 745-8866
Fax: (732) 249-7306

Partners: New Brunswick School District

DESCRIPTION

A-STEP is a program designed to provide employment opportunities to New Brunswick youth, ages 14-21. Some academic and career exposure occurs during the training in addition to worksite assignments. A-STEP may expand to a more comprehensive precollege program with financial support.

GATEway

Middlesex County College

NJ Higher Education Sector: Community College

Year Began: 1980

CONTACT INFORMATION

Darlene Yoseloff, Director, Office of School Relations
Middlesex County College
2600 Woodbridge Ave., Edison, NJ 08818
Telephone: 732.906.2554
Fax: 732.906.7709
Email: Darlene_Yoseloff@middlesexcc.edu
Web Site: <http://www.middlesexcc.edu/schoolrelations>

Partners: Middlesex County high schools

DESCRIPTION

GATEway offers college-level courses for academically gifted students in 7th-9th grades. Students in 10th-12th grade students participate in a summer program.

Precollege Program

Academically Gifted and Talented Youth Program

Montclair State University

NJ Higher Education Sector: State College or University

Year Began: 1981

Participants Served: 1350

CONTACT INFORMATION

Richard Taubald, PhD, Director

Montclair State University

Normal Ave., Montclair State University, Upper Montclair, NJ 07043

Telephone: (973) 655-7158

Fax: (973) 655-7895

Email: taubaldr@mail.montclair.edu

Web Site: www.montclair.edu/gifted

DESCRIPTION

Program Services (Academic):

Computer Skills Training, Academically accelerated courses below the college level, e.g. A.P, Study Skills Training, Math/Science Instruction, Critical Thinking Skill Development

Program Services (Other):

Social Skills Development/Confidence Building, Cultural Activities

Community Connection Tutoring Program

Montclair State University

NJ Higher Education Sector: State College or University

Year Began: 2003

Participants Served: 60

CONTACT INFORMATION

Barice Williamson, Director, Teacher Education Advocacy Center

Montclair State University

1 Normal Ave, Montclair, NJ 07042

Telephone: 973-655-7696

Fax: 973-655-4469

Email: williamsonba@mail.montclair.edu

Web Site: <http://cehs.montclair.edu/academic/cop/teac>

DESCRIPTION

The Community Connection Tutoring Program was established to provide tutoring services to K-12 students from Montclair and its surrounding area. Through this program, Montclair State University students are matched with K-12 students for tutoring in math, science, and literacy. Sessions are held on campus to promote an interest in higher education.

Future Educators Association

Montclair State University

NJ Higher Education Sector: State College or University

Year Began: 1990

Participants Served: 100

CONTACT INFORMATION

Barice Williamson, Director, Teacher Education Advocacy Center

Montclair State University

1 Normal Avenue, Montclair, NJ 07043

Telephone: (973) 655-7696

Fax: (973) 655-4469

Email: williamsonba@mail.montclair.edu

Web Site: CEHS.montclair.edu/academic/cop/teac

Partners: Montclair, Fair Lawn, and Newark Public Schools

DESCRIPTION

A joint venture with local public schools, Montclair State University's Future Educators Association works with the MSU Network for Educational Renewal districts to identify promising students and encourage them to consider teaching careers. The program promotes achievement by supporting high standards, positive self-image, and leadership at school and in the community. A special feature of the association is the emphasis on assisting students in making a critical transition from high school to college. During meetings, guidance counselors help students prepare for the SAT and complete college applications. The University sponsors annual on-campus events for students and their teachers and helps students learn about the teaching profession. In partnership with Gear Up Newark, the Future Educators Association at Montclair State University works closely with the Newark Public Schools at both the middle school and high school levels.

Precollege Program

Gifted Program

Montclair State University
NJ Higher Education Sector: State College or University
Year Began: 1982 Participants Served: 1500

CONTACT INFORMATION

Steven Nash, Director, Gifted and Talented
Montclair State University
Upper Montclair, NJ 07043
Telephone: (973) 655-4104
Email: nashs@mail.montclair.edu

DESCRIPTION

During the past 23 years, Montclair State University has conducted programs for high aptitude and high achieving students. The Gifted Program has grown since 1981 from an initial enrollment of 77 students to more than 1400 in 2002. The primary goal of the program is to provide balanced enrichment by strengthening both verbal and quantitative skills.

Preparatory Center for the Arts

Montclair State University
NJ Higher Education Sector: State College or University
Year Began: 1976 Participants Served: 500

CONTACT INFORMATION

Ruth Rendleman, Director
Montclair State University
Valley Road and Normal avenue, Montclair, NJ 07043
Telephone: (973) 655-4443
Fax: (973) 655-5279
Email: Rendlemanr@mail.montclair.edu
Web Site: www.stokesmusiccamp.com/ or www.montclair.edu/music/

DESCRIPTION

The Preparatory Center for the Arts was established to provide musical education training for all age groups. The center serves approximately 400 students from New Jersey communities and the surrounding metropolitan area.

Schoolyard Habitats-Science Enrichment

Montclair State University
NJ Higher Education Sector: State College or University
Year Began: 2000 Participants Served: 180

CONTACT INFORMATION

Jacalyn Willis, PH.D., Director, PRISM
Montclair State University
Montclair State University - Richardson 121, Upper Montclair, NJ 07043
Telephone: (973) 655-7753
Fax: (973) 655-4430
Email: willisj@mail.montclair.edu
Web Site: www.csam.montclair.edu/ceterms/prism

Partners: Newark, East Orange, Bridgewater School Districts

DESCRIPTION

The "Schoolyard Habitats: Living Laboratory" program functions as a teaching laboratory as well as a hands-on science laboratory. Together, children, parents, teachers and scientists actively explore ideas and do scientific experiments that are educational and fun. Summer Institutes are held each year for rigorous training in inquiry-based and problem-solving approaches to science teaching. New teachers are mentored throughout the program by experienced teachers. Those who participate in the Summer Institutes are prepared to lead after-school and summer science activities for children and their parents. The program is designed to foster inquiry approaches based on sound science concepts that promote student questioning and investigation. Students, teachers, and communities benefit from this program. Students benefit from ample time for experimentation and in-depth learning, the finest teacher guidance, and adequate materials to carry out investigations and explorations in science. Participating families help to spread the values of science education to the community. For teachers, the program provides a bridge between the Summer Institute experience and formal application of science teaching in the classroom. The school districts gain from the expanded science knowledge and experience of its teachers, many of whom will become turnkey trainers in the districts in-service sessions.

Precollege Program

STARS (Students and Teachers are Reading Sports)

Montclair State University
NJ Higher Education Sector: State College or University
Year Began: 2004 Participants Served: 15

CONTACT INFORMATION

Dr. Linda Wise, Assistant Professor
Montclair State University
1 Normal Avenue, Upper Montclair, NJ 07043
Telephone: (973) 655-4436
Fax: (973) 655-5376
Email: wisel@mail.montclair.edu
Partners: Paterson School District

DESCRIPTION

The STARS (Students and Teachers are Reading Sports) Program provides elementary students from the Paterson Public School District with free literacy instruction and reading enrichment based on sports-related children's literature. Funded by Fleet Bank, this program represents a collaboration among a variety of organizations including the Yogi Berra Museum and Learning Center, the Literacy Enrichment Center at Montclair State University, and the Paterson Public Schools. Every week, graduate students from Montclair State University and high school students from Paterson join together with small groups of elementary students to enjoy books about sports and take part in literacy-related activities. In addition, all participants attend related events that include author talks, guest lectures by athletes, and field trips to sports games and the Yogi Berra museum.

Theatrefest for Kids

Montclair State University
NJ Higher Education Sector: State College or University
Year Began: 1998 Participants Served: 1000

CONTACT INFORMATION

John Wooten, Artistic Director
Montclair State University
Montclair State University, Upper Montclair, NJ 07043
Telephone: (973) 655-7070 x97634
Email: wootenj@mail.montclair.edu

DESCRIPTION

Program Services (Academic):
Critical Thinking Skill Development

Program Services (Other):
Social Skills Development/Confidence Building, Leadership Development, Campus Visits & Tours, Cultural Activities

Upward Bound Program

Montclair State University
NJ Higher Education Sector: State College or University
Year Began: 1999 Participants Served: 50

CONTACT INFORMATION

Donna Lorenzo, Director
Montclair State University
Montclair State University, 1 Normal Avenue, Science Hall 134, Upper Montclair, NJ 07043
Telephone: (973) 655-4415
Fax: (973) 655-4073
Email: lorenzod@mail.montclair.edu
Partners: Newark, Passaic and Paterson School Districts

DESCRIPTION

The Upward Bound Program at Montclair State University assists low-income and first generation students with academic support services to increase their opportunity to graduate from high school. The main thrust of the project is to increase the skills and motivation needed to successfully complete an undergraduate course of study. Participants are recruited from the federally approved target areas of Newark, Passaic, and Paterson.

The support services offered are a five week residential program on the Montclair State University campus and an academic component that consists of eight Saturday sessions in both the fall and spring. Students receive academic enrichment and instruction in mathematics and science, tutoring, SAT review, college placement assistance and advising. The Upward Bound Program exposes students to various careers to broaden a student's perception of opportunities available and enhance their self-esteem and self concept. Securing postsecondary placement and graduation for the participants is a prime objective of the program.

Precollege Program

Weston Science Scholars Program

Montclair State University
NJ Higher Education Sector: State College or University
Year Began: 2000 Participants Served: 40

CONTACT INFORMATION

Lynn English, Director
Montclair State University
1 Normal Ave., Science Hall Room 113, Montclair, NJ 07043
Telephone: (973) 655-5101
Fax: (973) 655-7047
Email: englishl@mail.montclair.edu
Partners: Montclair High School

DESCRIPTION

The vision of the Weston Science Scholars Program is to expose students to the realities of scientific research with the ultimate goal that they will choose a career path in the area of mathematics, science and/or technology and to ultimately improve scientific accomplishments and produce all kinds of advancements in medicine. The program provides scholars with a strong foundation in mathematics, science, technology and communications so they can meet the demands of the scientific community. The philosophy of the program is to instill a love for the various scientific disciplines to which they are exposed to in their research and that they will carry this passion for the rest of their lives.

Academic Enrichment Program

County College of Morris
NJ Higher Education Sector: Community College
Year Began: 1989 Participants Served: 45

CONTACT INFORMATION

Professor Alex Thurman, Professor of Mathematics
County College of Morris
CCM 214 Center Grove Rd., Randolph, NJ 07869
Telephone: (973) 328-5733
Fax: (973) 328-5703
Email: athurman@ccm.edu
Partners: Morristown and Dover School Districts

DESCRIPTION

The Summer Academy for Young Students focuses on exposing high school students to careers and courses in business, mathematics, engineering, and technology. The Academy provides students with activities to help them become aware of college life. Faculty emphasizes hands-on projects in computers, statistics and financial planning. The goal is to help students prepare for college and to provide the support that will help them identify career and educational goals.

M.O.R.T. University (Mt. Olive Robotic Team)

County College of Morris
NJ Higher Education Sector: Community College
Year Began: 2001 Participants Served: 20

CONTACT INFORMATION

Nial McCabe, Professor
County College of Morris
214 Center Grove Road, Randolph, NJ 07869
Telephone: (973) 328-5761
Email: nmccabe@ccm.edu
Web Site: www.ccm.edu
Partners: Mt. Olive High School

DESCRIPTION

Mt. Olive High School participates in FIRST (For Inspiration and Research in Science and Technology). FIRST inspires students to be enthusiastic about engineering by having student groups build robots and participate in competitions. Professors from County College of Morris created M.O.R.T University to prepare students by providing them with technical skills training, computer programming and mechanical design applications. Students learn programming on BASIC STAMP microprocessors and develop machine tool and fabrication skills.

Precollege Program

Summer Academy for Young Scholars

County College of Morris

NJ Higher Education Sector: Community College

Year Began: 1990

Participants Served: 20

CONTACT INFORMATION

Alexis Thurman, Associate Professor of Mathematics

County College of Morris

214 Center Grove Road, Randolph, NJ 07869

Telephone: (973) 328-5733

Fax: (973) 328-5703

Email: athurman@ccm.edu

Partners: Morristown, Dover and Randolph School Districts

DESCRIPTION

The Summer Academy for Young Scholars is a one-week academic enrichment program geared to encourage, enlighten and excite students about learning, study skills and leadership development. We provide hands-on workshops to promote our theme "Learning math and science is 'fun' damental."

College Bound/GEAR UP

New Jersey City University

NJ Higher Education Sector: State College or University

Year Began: 1989

Participants Served: 250

CONTACT INFORMATION

Valerie Boseman, Director

New Jersey City University

2039 Kenned Boulevard, Jersey City, NJ 07305

Telephone: (201) 200-2347

Fax: (201) 200-2348

Email: vboseman@njcu.edu

Partners: Public School #14, Public School # 40, Public School # 41, Lincoln High School, Snyder High School

DESCRIPTION

College Bound/GEAR UP is a comprehensive academic support program designed to recruit, retain and motivate students in grades 7 through 12 to successfully complete high school and enroll and graduate from college. These students are from low income families and are potential first generation college students. The program provides academic classes, tutorial services, individual and group counseling sessions. Students also participate in performing arts and recreational activities.

Educational Leadership/ Union City Scholars Academy Summer Program

New Jersey City University

NJ Higher Education Sector: State College or University

Year Began: 2000

Participants Served: 70

CONTACT INFORMATION

Dr. Carrie Robinson, Chairperson, Educational Leadership Department

New Jersey City University

2039 Kennedy Blvd., Jersey City, NJ 07305

Telephone: (201) 200-3400

Fax: (201) 200-3405

Email: crobinson@njcu.edu

Web Site: <http://coeserver.njcu.edu>

Partners: Union City School District

DESCRIPTION

The NJCU College of Education/Union City Scholars Academy Summer program provides the opportunity for high school students to spend a month during the summer on the NJCU campus. The purpose of the program is to provide enrichment activities in literacy and mathematics and to expose the students to the college experience. While on NJCU campus, the students also take a three credit college course. The high school students interact with NJCU students who serve as mentors during the program. In addition, they are taken on two field trips including a trip to see a Broadway play in New York City.

Precollege Program

Future Educators/Humanities Scholars

New Jersey City University
NJ Higher Education Sector: State College or University
Year Began: 2000 Participants Served: 35

CONTACT INFORMATION

Carrie Robinson, Associate Professor, NJCU
New Jersey City University
2039 Kenned Boulevard, Prof. Bldg. 343, Jersey City, NJ 07305
Telephone: (201) 200-3521
Fax: (201) 200-3141
Email: crobinsonn@njcu.edu
Partners: Jersey City School District, Irvington School District

DESCRIPTION

The goal of Future Educators/Humanities Scholars is to provide a high quality academic program for high school students interested in the humanities and education in an atmosphere which incorporates high expectations, demanding content, technology integration, and collegial support into all activities and experiences.

New Jersey Youth Corps

New Jersey City University
NJ Higher Education Sector: State College or University
Year Began: 1998 Participants Served: 60

CONTACT INFORMATION

Gary Patnosh and Bruce Beaman, Co-Directors
New Jersey City University
223 West Side Avenue, Jersey City, NJ 07305
Telephone: (201) 200-3101
Fax: (201) 200-2301
Email: gpatnosh@njcu.edu or bbeaman@njcu.edu
Partners: Public High Schools of Jersey City and Bayonne

DESCRIPTION

NJ Youth Corps is a year round program designed for young adults between the ages of 16 and 25, who have left high school without earning their diplomas. Youth Corps helps to provide young people with a second chance to earn their diplomas while developing necessary employment skills through meaningful community service.

Project SEED

New Jersey City University
NJ Higher Education Sector: State College or University
Year Began: 1996 Participants Served: 1

CONTACT INFORMATION

Kenneth Yamaguchi, Associate Professor
New Jersey City University
2039 Kennedy Blvd., Jersey City, NJ 07305
Telephone: (201) 200-2097
Fax: (201) 200-3106
Email: kyamaguchi@njcu.edu
Partners: Union Hill High School

DESCRIPTION

Project SEED is a national program sponsored by the American Chemical Society to encourage economically disadvantaged high school juniors and seniors pursuing careers in the chemical sciences. Students work on research projects under a faculty mentor and receive a salary during a ten-week internship. Their work is presented at several chemical meetings throughout the region. The Chemistry Department has been actively involved in this program for the past ten (10) years, accepting 21 students primarily of Hispanic decent. The funding of Project SEED students requires a one-to-one match from institutional or industrial sources.

Precollege Program

Projecto Access

New Jersey City University
NJ Higher Education Sector: State College or University
Year Began: 1997 Participants Served: 140

CONTACT INFORMATION

Julio Guillen, Professor Mathematics
New Jersey City University
2039 Kennedy Boulevard, Jersey City, NJ 07305
Telephone: (201) 200-2307
Fax: (201) 200-3288
Email: jguillen@njcu.edu
Partners: schools in Bayonne, West New York, Jersey City, North Arlington and Secaucus

DESCRIPTION

Projecto Access is an educational consortium created in 1996 by the Office of Equal Opportunity Program (OEOP), Minority University Research and Education Division (MURED) of the National Aeronautics and Space Administration (NASA) and administered by the Hispanic Association of Colleges and Universities (HACU). The consortium consists of HACU and nine of its Hispanic serving institutions in eight states in the United States. Its main function is to conduct an eight-week summer program in science, mathematics and computer science at these institutions.

The basic structure of Projecto Access is modeled after an extremely successful summer program in Texas called the Texas Pre-freshman Engineering Program (TexPREP). TexPREP was started in 1979 at the University of Texas at San Antonio by Dr. Manual Berriozabal and now operates in 23 Texas community and senior college campuses in 12 Texas cities. The program curriculum consist of three summer sessions called Prep1 (7th grade students), PREP2 (returning PREP1 students) and PREP3 (returning PREP2 students).

Projecto Science

New Jersey City University
NJ Higher Education Sector: State College or University
Year Began: 1997 Participants Served: 90

CONTACT INFORMATION

Julio Guillen, Professor of Mathematics
New Jersey City University
2039 Kennedy Boulevard, Jersey City, NJ 07035
Telephone: (201) 200-2307
Fax: (201) 200-3288
Email: jguillen@njcu.edu
Web Site: <http://www.njcu.edu/programs/proyectoscience/>
Partners: schools in Bayonne, Jersey City and West New York

DESCRIPTION

Projecto Science's mission is to identify middle and high school students with an interest and potential for careers in engineering, science, technology and other mathematics-related areas and to reinforce their pursuit of these fields. The goals of the program are to develop abstract reasoning and problem solving skills necessary for successful college studies in mathematics, to acquire hands-on experience in science, mathematics and engineering projects and to acquire expertise in the use of modern technology and the Internet as instruments for learning. Students participate in classes and activities related to mathematics, statistics, programming, robotics, engineering, music, photography, journalism, career awareness seminars and field trips. There is no charge for the students and several participating school districts provide transportation and lunch for their students.

Upward Bound

New Jersey City University
NJ Higher Education Sector: State College or University
Year Began: 1995 Participants Served: 60

CONTACT INFORMATION

Lynn Idehen, Upward Bound Director
New Jersey City University
2039 Kennedy Boulevard, Jersey City, NJ 07305
Telephone: (201) 200-2347
Fax: (201) 200-2348
Email: lidehen@njcu.edu
Partners: Lincoln, Ferris, Dickinson High Schools

DESCRIPTION

The Upward Bound Program is a comprehensive academic support program designed to recruit, retain and motivate students in grades 9 through 12 to successfully complete high school and prepare to enter and graduate college. The program provides academic instruction during the academic year in lab sciences, history, foreign language, mathematics, computer skills and English classes. Standardized preparatory classes are held throughout the academic year and during the summer program. Tutoring, mentoring, and individual and group counseling classes are offered. Students also participate in performing arts and recreational activities.

Precollege Program

Consortium for Pre-College Education in Greater Newark/GEAR UP

New Jersey Institute of Technology
NJ Higher Education Sector: Public Research University
Year Began: 1986 Participants Served: 533

CONTACT INFORMATION

Dr. Jesse G. Jackson, Executive Director
New Jersey Institute of Technology
University Heights, Newark, NJ 07102-1982
Telephone: (973) 596-5762
Fax: (973) 642-4195
Email: jacksonj@njit.edu
Web Site: <http://www.njit.edu/PCOLC>

Partners: East Orange, Irvington, Newark School District, Rutgers University-Newark, University of Medicine and Dentistry of New Jersey

DESCRIPTION

The Consortium for Pre-College Education in Greater Newark is a collaboration between New Jersey Institute of Technology, Rutgers-Newark College of Arts and Sciences, and the University of Medicine and Dentistry of New Jersey. The program is designed to incorporate the State Core Curriculum Content Standards into our courses to enhance students' academic skills within the basic disciplines of mathematics, science, language arts and computer literacy. It is our objective to ensure that program participants are prepared for admission to and graduation from postsecondary institutions.

Elizabeth High School CAP Partnership @ NJIT

New Jersey Institute of Technology
NJ Higher Education Sector: Public Research University
Year Began: 2004 Participants Served: 6 students

CONTACT INFORMATION

Ms. Diana Muldrow, Project Coordinator, Center for Pre-College Programs
Newark, NJ
Telephone: 973.596.3574
Fax: 973.596.4641
Email: muldrow@adm.njit.edu
Web Site: <http://www.njit.edu/precollege>

Partners: NJIT, Elizabeth High School, Conoco Phillips, Bayway Refinery, Cogen Technologies Linden Venture, Infineum USA L.P.

DESCRIPTION

The goal of this partnership is to afford Elizabeth High School students the opportunity and financial resources to attend a residential, summer program at NJIT. The University provides these students with college credit for successful completion of the courses. Urban youngsters are allowed to experience, first hand, STEM courses that are offered on a campus that specializes in technologically oriented coursework

Engineering Prep Program

New Jersey Institute of Technology
NJ Higher Education Sector: Public Research University
Year Began: 1994 Participants Served: 25

CONTACT INFORMATION

Rosa M. Cano, Director, EPBP Program
New Jersey Institute of Technology
University Heights, Newark, NJ 07102-1982
Telephone: (973) 596-3424
Fax: (973) 642-1847
Email: cano@adm.njit.edu
Web Site: www.njit.edu/precollege

Partners: Newark School District

DESCRIPTION

The Engineering Preparatory Program is a nontraditional five-week program designed to help students overcome their anxiety about physics and mathematics, the cornerstones of the engineering curriculum. Engineering Prep will help prepare students to succeed in high school advanced mathematics and physics courses. Through classroom discussions, lectures, lab experiments, demonstrations, projects and field trips, participants will learn advanced mathematics, geometry, trigonometry and precalculus/calculus, physics, engineering principles, higher level problem-solving strategies, computer programming and applications, and written and oral communications. Students will also receive preparation training for the SAT exam.

Precollege Program

Explore Careers in Technology and Engineering - EXCITE

New Jersey Institute of Technology

NJ Higher Education Sector: Public Research University

Year Began: 2003

Participants Served: 25

CONTACT INFORMATION

Rosa M. Cano, Associate Director, Center for Pre-College Programs

New Jersey Institute of Technology

University Heights, Newark, NJ 07102

Telephone: (973) 596-3424

Fax: (973) 642-1842

Email: cano@adm.njit.edu

Partners: Newark School District

DESCRIPTION

Explore Careers in Technology and Engineering (EXCITE) is designed to encourage post-seventh-grade students to learn about careers in technology and engineering. Students participate in a series of laboratory modules in environmental engineering, aeronautical engineering, chemical engineering, biomedical engineering and computer science.

Students also receive test preparation training for the Grade Eight Proficiency Assessment (GEPA) in language arts, mathematics, and science through nontraditional, innovative methodologies, techniques and strategies that will help students become "smarter test takers." Through classroom work, activities, workshops and field trips, participants will enrich their computer, mathematics, science and communications skills while increasing their critical-thinking and problem-solving abilities.

IChIME

New Jersey Institute of Technology

NJ Higher Education Sector: Public Research University

Year Began: 1980

Participants Served: 24

CONTACT INFORMATION

Reginald P.T. Tomkins, Associate Chairperson for Graduate Studies & Industrial Relations

New Jersey Institute of Technology

161 Warren Street, Newark, NJ 07102-1982

Telephone: (973) 596-5656

Fax: (973) 596-8436

Email: tomkinsr@adm.njit.edu

Partners: Passaic School District, Essex School District, Union School District

DESCRIPTION

The Introduction to Chemical Industry for Minorities in Engineering (IChIME) program is a four-week project designed to give post-eighth-grade minority students an opportunity to increase their understanding, awareness, and participation in the fields of chemistry and chemical engineering. The program includes formal classroom work, laboratory activities, projects, seminar sessions, and field trips. Participants learn about chemistry and chemical engineering, environmental science, computer programming, and applications.

NJIT/GEAR-UP Partnership Program

New Jersey Institute of Technology

NJ Higher Education Sector: Public Research University

Year Began: 1999

Participants Served: 324

CONTACT INFORMATION

Mr. Anthony Robinson, Director, GEAR UP Partnership Program

New Jersey Institute of Technology

Newark, NJ

Telephone: 973.596.5436

Fax: 973.596.4641

Email: Anthony.Robinson@njit.edu

Web Site: <http://www.njit.edu/precollege>

Partners: Camden Middle Technology School, West Side High School, The Newark Public School District, The New Jersey Department of Corrections, The New Jersey Community Resource Initiative

DESCRIPTION

The GEAR-UP Partnership goal is to provide its students with academic enrichment skills and motivation needed to complete middle school, prepare for college preparatory coursework in high school, and successfully attend post-secondary institutions. In addition, the GEAR-UP Partnership collaborates with parents, teachers, administrators, and community partners, for systemic change and improvement in curriculum, instruction and programming.

During the summer and the academic year services are provided to the students including standardized test preparation, academic enrichment programs, career guidance, academic counseling, tutorials, mentoring, and referrals to other services. To support systemic change, the project also provides parent and teacher workshops, as well as attends School Leadership Council meetings.

Precollege Program

Pre-college Academy

New Jersey Institute of Technology
NJ Higher Education Sector: Public Research University
Year Began: 1989 Participants Served: 60

CONTACT INFORMATION

Diana Muldrow, Director
New Jersey Institute of Technology
University Heights, Newark, NJ 07102
Telephone: (973) 596-3423
Fax: (973) 642-1847
Email: muldrow@adm.njit.edu
Web Site: www.njit.edu/old/precollege/academy.html

DESCRIPTION

The Pre-college Academy at NJIT is an academic year program for high-ability high school students who want to get a jump on their college careers. The Academy is designed for participants to earn college credits in customized Saturday classes taught by faculty who have been recognized for their commitment to teaching excellence. At the end of the Academy, grades are recorded on an NJIT transcript. Course credits can be applied toward an undergraduate degree at NJIT and at most other colleges and universities.

Pre-Engineering Program

New Jersey Institute of Technology
NJ Higher Education Sector: Public Research University
Year Began: 1983 Participants Served: 125

CONTACT INFORMATION

Rosa Cano, Director, WIET-FEMME Program
New Jersey Institute of Technology
University Heights, Newark, NJ 07102
Telephone: (973) 596-3424
Fax: (973) 642-1847
Email: cano@adm.njit.edu

Partners: various school in Essex County

DESCRIPTION

The Pre-Engineering Program (PrEP) is a four-week project designed to provide post-sixth-grade students with an introduction to various disciplines in engineering. This program gives students an opportunity to enhance their mathematics, science, communications, and technological academic achievement, develop problem-solving and critical-thinking skills, and learn about careers in engineering, science and technology. Through classroom discussions, hands-on laboratory experimentation, computer activities, and field trips, participants are introduced to engineering concepts and applications to everyday life.

Project GRAD Summer Institute at NJIT

New Jersey Institute of Technology
NJ Higher Education Sector: Public Research University
Year Began: 1998 Participants Served: 75

CONTACT INFORMATION

Armand Berliner, Director, Project GRAD
New Jersey Institute of Technology
University Heights, Newark, NJ 07102
Telephone: (973) 596-3550
Email: berliner@adm.njit.edu

Partners: Malcolm X. Shabazz High School, Central High School

DESCRIPTION

The New Jersey Institute of Technology (NJIT) is the host site for the Project GRAD 2004 program for Newark's Central High School and Malcolm X. Shabazz rising 10th-grade students. There are approximately 50 participants chosen from among the students who select the "Engineering Academy" track at Central and those who are considering engineering and science as career goals. The highlight of the NJIT program is a one-week residential experience at the New Jersey Marine Sciences Consortium at their site at Sandy Hook, NJ. Students stay at the Monmouth University dormitories.

Precollege Program

Talent Search

New Jersey Institute of Technology
NJ Higher Education Sector: Public Research University
Year Began: 1991 Participants Served: 1000

CONTACT INFORMATION

Henry McCloud, Director
New Jersey Institute of Technology
University Heights, Newark, NJ 07102-1982
Telephone: (973) 596-5841
Fax: (973) 642-4857
Email: mccloud@adm.njit.edu
Web Site: www.njit.edu/precollege
Partners: Newark Public Schools

DESCRIPTION

Program Services (Academic):
Remedial Instruction, Computer Skills Training, Study Skills Training, Reading/Writing Instruction, Math/Science Instruction, Critical Thinking Skill Development, Grade & Attendance Monitoring

Program Services (Other):
Social Skills Development/Confidence Building, Leadership Development, Campus Visits & Tours, College Fairs, College Awareness, Career Counseling, Mentoring, Personal Counseling, Cultural Activities

The Algebra Prep Program

New Jersey Institute of Technology
NJ Higher Education Sector: Public Research University
Year Began: 1999 Participants Served: 25

CONTACT INFORMATION

Rosa M. Cano, Associate Director, Center for Pre-College Programs; Director, Algebra Prep Program
New Jersey Institute of Technology
University Heights, Newark, NJ 07102-1982
Telephone: (973) 596-3424
Fax: (973) 672-1847
Email: cano@adm.njit.edu
Web Site: www.njit.edu/precollege
Partners: Newark School District

DESCRIPTION

The Algebra Prep Program is a four-week preparatory program for students entering the 8th or 9th grade who will be enrolling in Algebra I. The program is design to prepare these students to successfully complete Algebra I, and encourage them to choose advanced mathematics and college preparatory courses in high school. AP academic curricula are designed to help students overcome math anxiety by providing participants with opportunities to master Algebra concepts and higher-level problem-solving skills. The structure of the program includes classroom discussions and lectures, projects, portfolio assignments, homework, learning circles, tests, and field trips. Participants will learn Algebra I, communication skills, computer applications, and receive PSAT exam preparation. Problem-solving skills are stressed throughout the program, allowing the students to feel confident in their abilities to make decisions, while encouraging them to attain their academic potential through hands-on projects related to scientific and engineering disciplines. Students work in teams in an effort to increase group dynamic skills.

Precollege Program

The Experimental Math, Science and Communications Program

New Jersey Institute of Technology

NJ Higher Education Sector: Public Research University

Year Began: 1984

Participants Served: 25

CONTACT INFORMATION

Rose Dios PhD, Director

New Jersey Institute of Technology

University Heights, Newark, NJ 07102-1982

Telephone: (973) 596-3492

Fax: (973) 642-1847

Email: rdios@adm.njit.edu

Web Site: www.njit.edu/precollege

Partners: Newark School District

DESCRIPTION

The EMSCP project is a four-week program designed to enrich students' mathematics and science backgrounds while increasing their critical thinking and problem-solving abilities. Through classroom work, hands-on lab experimentation and constructive activities, workshops, and field trips, participants will learn to focus on relationships between mathematical concepts and their applications in science and everyday life. The structure of the program includes classroom discussion, lectures, projects, portfolio assignments, homework, study groups, rubric assessments, tests, and field trips. Academic curricula provide students with opportunities to master higher-level problem-solving skills in mathematics, science and technology, learn about computer science and engineering principles, and become prepared and motivated to choose mathematics, science, and technology college preparatory courses in high school.

The Perth Amboy Scholars (PAS) @ NJIT

New Jersey Institute of Technology

NJ Higher Education Sector: Public Research University

Year Began: 2003

Participants Served: 50 students

CONTACT INFORMATION

Ms. Rosa Cano, Associate Director, Center for Pre-College Programs

Newark, NJ

Telephone: 973.596.3423

Fax: 973.596.4641

Email: cano@adm.njit.edu

Partners: NJIT, Perth Amboy Public Schools

DESCRIPTION

The goal of the Perth Amboy Scholars Program (PAS) @ NJIT is to increase the number of urban students pursuing and successfully completing careers in science, technology, engineering and mathematical (STEM) fields.

This goal will be accomplished by: enhancing students' mathematics and science achievement while developing their problem solving & critical thinking skills; maintaining students' interest in STEM fields during the secondary school years by encouraging high school students to take college courses for college credit in STEM subjects; encouraging students to learn about careers and pursue studies in STEM areas; and promoting students' healthy self-esteem and positive self-efficacy, inspiring feelings of competency while challenging their fear of failure.

Student instruction in environmental science, engineering, mathematics, chemistry, computer applications, and language arts is provided through classroom discussions, lectures, laboratory experiments, projects and field trips in the summer (New Jersey Core Curriculum Standards). They have structured daily athletic activities to promote team-building and reinforce classroom principles of teamwork.

Upward Bound

New Jersey Institute of Technology

NJ Higher Education Sector: Public Research University

Year Began: 1989

Participants Served: 60

CONTACT INFORMATION

Henry McCloud, Director

New Jersey Institute of Technology

University Heights, Newark, NJ 07102-1982

Telephone: (973) 596-5841

Fax: (973) 642-4857

Email: mccloud@adm.njit.edu

Web Site: www.njit.edu/precollege

Partners: Newark Public Schools

DESCRIPTION

The Upward Bound Program at New Jersey Institute of Technology is a free program funded by the U.S. Department of Education. The program is designed to a) assist and motivate students to succeed and graduate from high school, and b) prepare students to enroll and complete a postsecondary education of their choice. It is our goal to encourage students to pursue careers in the science and technological fields. We offer academic instruction and tutorial; personal counseling; college planning and placement; financial advising; educational, cultural and recreational activities; workshops and seminars; and field trips.

Precollege Program

Upward Bound Math/Science

New Jersey Institute of Technology

NJ Higher Education Sector: Public Research University

Year Began: 1991

Participants Served: 50

CONTACT INFORMATION

Henry McCloud, Director

New Jersey Institute of Technology

University Heights, Newark, NJ 07102-1982

Telephone: (973) 596-5841

Fax: (973) 642-4857

Email: mccloud@adm.njit.edu

Web Site: www.njit.edu/precollege

DESCRIPTION

Each summer, we accept students from New Jersey, New York, Puerto Rico and the Virgin Islands. The highlights of our program are the 5-week summer residential program and our faculty mentoring project. During the school year, we have follow-up activities for local students.

Urban Civil Engineering Summer Institute

New Jersey Institute of Technology

NJ Higher Education Sector: Public Research University

Year Began: 1971

Participants Served: 25

CONTACT INFORMATION

Harold Deutschman, Director, Urban Civil Engineering Summer Institute

New Jersey Institute of Technology

University Heights, Newark, NJ 07102

Telephone: (973) 596-3424

Fax: (973) 642-1847

Email: deutschmanh@adm.njit.edu

Web Site: www.njit.edu/precollege

Partners: area high schools in Newark

DESCRIPTION

The Urban Civil Summer Institute (UCESI) is a five-week program designed to provide post-ninth-grade students with a unique exposure to the profession of civil engineering. Students are introduced to engineering through challenging classroom and laboratory activities. Participants learn about principles of engineering, mathematics, computer programming and applications, transportation, urban planning and design, and communications.

Women in Engineering & Technology Initiative-FEMME Program at NJIT

New Jersey Institute of Technology

NJ Higher Education Sector: Public Research University

Year Began: 1983

Participants Served: 125

CONTACT INFORMATION

Rosa M. Cano, Director

New Jersey Institute of Technology

University Heights, Newark, NJ 07102-1982

Telephone: (973) 596-3424

Fax: (973) 642-1847

Email: cano@adm.njit.edu

Web Site: www.njit.edu/precollege

Partners: area schools in Newark

DESCRIPTION

The Women in Engineering and Technology Initiative-FEMME Program is a four-week program designed to provide post-fourth through tenth-grade girls with opportunities to enhance their mathematics and science academic achievement, develop their problem-solving and critical thinking skills, promote their self-esteem and self-confidence, and encourage them to choose careers in scientific and technological fields in which women are traditionally underrepresented.

The program provides an intensive four-week summer component for each of five different groups of female students and will include classroom discussions, lectures, laboratory experiments and demonstrations, projects, and field trips.

Precollege Program

Urban Consortium Upward Bound

Passaic County Community College

NJ Higher Education Sector: Community College

Year Began: 2003 Participants Served: 50

CONTACT INFORMATION

Clarence Wright, Director of Urban Consortium

Passaic County Community College

1 College Boulevard, Patterson, NJ 07505

Telephone: (973) 684-5201

Fax: (973) 279-9327

Email: cwright7@pccc.edu

Web Site: www.pccc.edu

Partners: Paterson and Passaic School Districts

DESCRIPTION

The mission of the Upward Bound Program is to empower eligible high school students to increase their academic skills in order to achieve a higher education. Upward Bound serves high school students from low-income families or high school students from families in which neither parent holds a bachelors degree. Upward Bound provides instruction in math, science, composition, literature, and foreign language.

Urban Consortium: Supplemental Services Provider

Passaic County Community College

NJ Higher Education Sector: Community College

Year Began: 2004 Participants Served: 300

CONTACT INFORMATION

Clarence Wright, Director, Urban Consortium

Passaic County Community College

1 College Boulevard, Patterson, NJ 07505

Telephone: (973) 684-5201

Email: cwright7@pccc.edu

Web Site: www.pccc.edu

Partners: Paterson and Passaic School Districts

DESCRIPTION

The Supplemental Services Provider Program will begin in the Fall of 2004. The program will provide tutoring to a maximum of 300 students after school, during the academic year.

Urban Education Consortium College Bound Program

Passaic County Community College

NJ Higher Education Sector: Community College

Year Began: 1986 Participants Served: 175

CONTACT INFORMATION

Clarence Wright, Executive Director

Passaic County Community College

1 College Boulevard, Paterson, NJ 07111

Telephone: (973) 684-5201

Fax: (973) 279-9327

Email: cwright7@pccc.edu

Web Site: www.pccc.edu

Partners: Patterson and Passaic School Districts

DESCRIPTION

The mission of the Passaic County Community College, College Bound Program is to support 9th through 12th grade students in completing high school and preparing for a college career, primarily focusing on science, math and technology.

The program is designed to provide students with tutoring, academic and personal counseling; financial aid and college admissions counseling; counseling and job search skills; and introduction to the various career opportunities in the field of science, math and technology. The program also provides parents the opportunity to participate in activities that relate to their child's academic instruction and their own personal development.

Precollege Program

Princeton University Preparatory Program

Princeton University

NJ Higher Education Sector: Independent College or University

Year Began: 2001 Participants Served: 60

CONTACT INFORMATION

John B. Webb, Director, Program in Teacher Preparation

Princeton University

41 Willow Street, Princeton, NJ 08540

Telephone: (609) 258-3336

Fax: (609) 258-4527

Email: jwebb@princeton.edu

Web Site: www.princeton.edu/teacher/PUPP

Partners: Trenton Central High School, Ewing High School, Princeton High School

DESCRIPTION

Since the summer of 2001, the Princeton University Preparatory Program has annually invited 20 to 25 ninth-grade local high school students, chosen on the basis of their academic potential and family income, to participate in an intensive three-year program that introduces them to the world of scholarship and raises their academic sights. Each summer of their high school years, the students spend six weeks on the Princeton University campus taking courses and interacting with university faculty. The curriculum is built around intensive reading and writing, an introduction into higher-level mathematics, courses in physical science and sociology, and an in-depth exposure to the fine arts. A special program has been added that will prepare students for standardized tests and for the college application process. Full support is provided for seniors in preparing and submitting their college application.

College Bound/ROOTS

Ramapo College

NJ Higher Education Sector: State College or University

Year Began: 1998 Participants Served: 70

CONTACT INFORMATION

Carol Frishberg Ph.D., Professor of Chemistry

Ramapo College

505 Ramapo Valley Road, Mahwah, NJ 07430-1680

Telephone: (201) 684-7705

Fax: (201) 684-7717

Email: cfrishbe@ramapo.edu

Partners: Patterson School District, Passaic County

DESCRIPTION

Program Services (Academic):

Computer Skills Training, Study Skills Training, Reading/Writing Instruction, Math/Science Instruction, Critical Thinking Skill Development, Grade & Attendance Monitoring

Program Services (Other):

Social Skills Development/Confidence Building, Leadership Development, Campus Visits & Tours, College Awareness, Career Counseling, Mentoring, Personal Counseling, Cultural Activities

Ramapo College Upward Bound Math-Science

Ramapo College

NJ Higher Education Sector: State College or University

Year Began: 1996 Participants Served: 51

CONTACT INFORMATION

Carol Frishberg Ph.D., Professor of Chemistry

Ramapo College

505 Ramapo Valley Road, Mahwah, NJ 07430-1680

Telephone: (201) 684-7705

Fax: (201) 684-7717

Email: cfrishbe@ramapo.edu

Partners: Paterson and Newark School Districts

DESCRIPTION

Program Services (Academic):

Computer Skills Training, Study Skills Training, Reading/Writing Instruction, Math/Science Instruction, Critical Thinking Skill Development, Grade & Attendance Monitoring,

Program Services (Other):

Social Skills Development/Confidence Building, Leadership Development, Campus Visits & Tours, College Awareness, Career Counseling, Mentoring, Personal Counseling, Cultural Activities

Precollege Program

Go On And Learn

The Richard Stockton College of New Jersey
NJ Higher Education Sector: State College or University
Participants Served: 0

CONTACT INFORMATION

Janice Joseph, Professor of Criminal Justice
The Richard Stockton College of New Jersey
Jimmy Leeds Road, Pomona, NJ 08240-4312
Telephone: (609) 652-4312
Email: josephj@stockton.edu
Partners: Atlantic City School District

DESCRIPTION

Program Services: College Awareness

Minding Our Business

Rider University
NJ Higher Education Sector: Independent College or University
Year Began: 1997 Participants Served: 90

CONTACT INFORMATION

Sigfredo A. Hernandez, Founder/Administrator
Rider University
2083 Lawrenceville Rd., Lawrenceville, NJ 08648
Telephone: (609) 895-5509
Fax: (609) 896-5304
Email: Hernandez@rider.edu
Partners: Arthur J. Holland Middle School, Martin Luther King, Jr. Middle School, Rivera Middle School

DESCRIPTION

Program Services (Academic):
Reading/Writing Instruction, Math/Science Instruction, Critical Thinking Skill Development

Program Services (Other):
Leadership Development and entrepreneurial skills, Social Skills Development/Confidence Building, Campus Visits & Tours, College Awareness, Career Counseling, Mentoring, Personal Counseling, Cultural Activities

Attracting Women into Engineering

Rowan University
NJ Higher Education Sector: State College or University
Year Began: 1999

CONTACT INFORMATION

Jennifer Kadlowek, Assistant Professor
Rowan University
201 Mullice Hill Road, Glassboro,, NJ 08028
Telephone: (856) 256-5344
Fax: (856) 252-5241
Email: kadlowec@rowan.edu

DESCRIPTION

Program Services (Academic):
Hands on laboratory modules in Science and Engineering

Program Services (Other):
Career Counseling, Mentoring

Precollege Program

Rowan University C.H.A.M.P./GEAR UP Program

Rowan University

NJ Higher Education Sector: State College or University

Year Began: 1986

Participants Served: 400

CONTACT INFORMATION

Dr. Eric Clark, Dean

Rowan University

200 North Broadway, Camden, NJ 08102

Telephone: (856) 756-5420

Fax: (856) 756-5432

Email: clark@camden.rowan.edu

Web Site: www.rowan.edu/camden/champ

Partners: Camden City, Vineland, Bridgeton, and Millville School Districts

DESCRIPTION

Program Services (Academic):

Remedial Instruction, Computer Skills Training, Study Skills Training, Reading/Writing Instruction, Math/Science Instruction, Critical Thinking Skill Development, Grade & Attendance Monitoring

Program Services (Other):

Social Skills Development/Confidence Building, Leadership Development, Campus Visits & Tours, College Fairs, College Awareness, Career Counseling, Mentoring, Personal Counseling, Cultural Activities

Summer Institute in Materials Science

Rowan University

NJ Higher Education Sector: State College or University

Year Began: 2002

Participants Served: 24

CONTACT INFORMATION

Sam Lofland, Professor

Rowan University

201 Mullica Hill Road, Glassboro, NJ 08028

Telephone: (856) 256-4382

Fax: (856) 256-4478

Email: lofland@rowan.edu

Web Site: www.rowan.edu/materials

DESCRIPTION

The Summer Institute in Materials Science is a two-week program focused on introducing high school students and teachers to the impact that materials science and engineering has on the development of new technology. This is achieved through hands-on experiences with faculty and students using cutting-edge research tools. There are visits to local high-tech industry as well as seminars by internationally known scholars.

Rutgers/LEAP GEAR-UP Program

Rutgers, The State University of New Jersey - Camden

NJ Higher Education Sector: Public Research University

Year Began: 1998

Participants Served: 432 students and their parents

CONTACT INFORMATION

Dr. Gloria Bonilla-Santiago/Dr. Tamara Sniad, Faculty Director & PI/Program Director

Rutgers University-Camden

321 Cooper Street, Camden, NJ 08102

Telephone: 856.225.6348

Fax: 856.225.6500

Email: gloriabs@camden.rutgers.edu

Web Site: <http://www.camden.rutgers.edu/Camden/CFSUCL>

Partners: Rutgers University-Camden, LEAP Academy University Charter School, Corriel Institute, Commerce Bank, Boscov's Department Stores

DESCRIPTION

The Rutgers/LEAP GEAR UP Project provides college awareness and college readiness programs and services to students enrolled at the LEAP Academy University Charter School, beginning in the fifth grade and continuing through high school. The overarching goal for this initiative is to raise the number of low-income minority students in Camden who successfully pursue a college education.

Specific activities include the following: Academic Development: development of a pre-college curriculum, tutoring, test preparation, academic counseling, financial aid workshops, college application and essay workshops, company tours, job shadowing, internships, career awareness, resume and interview workshops; Social Development: community service, mentoring, cultural outings; and Strengthening Support Systems: home visits, parent workshops, professional development for project staff.

Precollege Program

Rutgers Upward Bound

Rutgers University

NJ Higher Education Sector: Public Research University

Year Began: 1966

Participants Served: 100

CONTACT INFORMATION

A. Patricia Johnson, Asst. Dean/Director, Upward Bound

Rutgers University

52 Joyce Kilmer Ave., Piscataway, NJ 08854

Telephone: (732) 445-3090 x866

Fax: (732) 445-3519

Email: pajohnson@rci.rutgers.edu

Partners: Schools in New Brunswick, Perth Amboy and Plainfield

DESCRIPTION

The Rutgers Upward Bound (RUB) Program is funded by the U.S. Department of Education. The program is designed to assist and motivate students to succeed and graduate from high school and prepare students to enroll and complete a post-secondary education of their choice. Upward Bound is a year-round project which has two components: a six-week residential summer program, and a Saturday academic year program.

Rutgers Young Scholars Program in Discrete Mathematics

Rutgers University

NJ Higher Education Sector: Public Research University

Year Began: 1990

Participants Served: 30

CONTACT INFORMATION

Joseph G. Rosenstein, Associate Director for Education

Rutgers University

96 Frelinghuysen Road, Piscataway, NJ 08854

Telephone: (732) 445-4065

Fax: (732) 445-5932

Email: toti@dimacs.rutgers.edu

Web Site: <http://dimacs.rutgers.edu/ysp>

DESCRIPTION

This program is designed to encourage talented students to consider careers in the mathematical sciences. Students participate in an intensive four-week academic program that provides a challenging introduction to discrete mathematics; a new area of the mathematical sciences with many applications on the cutting edge of modern research. Students develop and enhance problem-solving abilities by applying mathematical concepts to a wide range of problems. They meet distinguished professionals in the field of discrete mathematics who serve as role models and mentors. Students also have an opportunity to participate in a year-long research project.

Camp \$tart-Up

Rutgers University Business School

NJ Higher Education Sector: Public Research University

Year Began: 2003

Participants Served: 25

CONTACT INFORMATION

Melinda Little, Vice President, Chief Operating Officer, Independent Means, Inc.

Rutgers University Business School

1126 East Haley, #A16, Santa Barbara, CA 93101

Telephone: (518) 891-0197

Fax: (518) 891-6008

Email: mlittle231@aol.com

DESCRIPTION

Camp \$tart Up is a national program for teenage girls interested in developing their entrepreneurial skills. Through an eight-day program including classes, mentoring sessions, field trips, and visits from local businesswomen, the program prepares each student for completing her own business plan for her own corporation.

Precollege Program

Rutgers-New Brunswick GEAR UP Partnership

Rutgers University-New Brunswick

NJ Higher Education Sector: Public Research University

Year Began: 2000

Participants Served: 389

CONTACT INFORMATION

Dr. Saundra Tomlinson-Clarke, Associate Professor

Rutgers University-New Brunswick

10 Seminary Place, New Brunswick, NJ 08901

Telephone: (732) 932-7496 x8305

Email: smaria@rci.rutgers.edu

Partners: Lincoln, Livingston, and New Brunswick High Schools

DESCRIPTION

The Rutgers-New Brunswick GEAR UP Partnership is a collaborative initiative between Rutgers Graduate School of Education and the New Brunswick Public School District. Beginning in the year 2000, this five-year grant is designed to provide students and their families with early awareness and knowledge of college opportunities, with an emphasis on academic readiness. The program provides academic preparation and enrichment to students who attend either Lincoln or Livingston Elementary School in New Brunswick beginning in the 5th grade. The program also extends services to students who continue their education at the New Brunswick High School. Tutoring and mentoring services are provided to students through the GEAR UP Tutoring Plus program. Parent workshops provide families with information regarding college and financial resources for college.

Douglass Project for Rutgers Women in Math, Science, Engineering and Technology

Rutgers, The State University of New Jersey - Douglass College

NJ Higher Education Sector: Public Research University

Year Began: 1986

Participants Served: 307

CONTACT INFORMATION

Kim Ann Zajack, Director, Pre-college programs

Douglass College, Rutgers the State University

50 Bishop St, New Brunswick, NJ 08901

Telephone: 732.932.9197, X20

Fax: 732.932.1533

Email: zajack@rci.rutgers.edu

Web Site: http://www-rci.rutgers.edu/~dougproj/dp_precollege_programs.html

Partners: school districts, corporations, foundations, Douglass College Alumnae, state government agencies, Non-traditional Career Center, Rutgers University, Rutgers University academic departments

DESCRIPTION

The Douglass Project for Rutgers Women in Math, Science, Engineering and Technology, through the pre-college program series, is dedicated to supporting students at the secondary level who show an interest in these disciplines. The Project is dedicated to offering pre-college women the opportunity to explore scientific research in a collegiate setting, involving them in hands-on math and science-related activities, helping them establish peer networks, and exposing them to female role models. The pre-college program series provides the support to young females to achieve their goals, while fostering their own personal growth and development through leadership activities.

The Douglass Science Institute (DSI) for young women entering grades 9 through 12 is a four-week summer residential exploratory program for students interested in mathematics, science, engineering and/or technology. Each grade level attends one week each summer for all four years of high school. Entry into the program is made by application during the spring of the 8th grade.

The Douglass Science Weekend Academy, held on 3 Saturdays in the fall is a program for selected 9th and 10th grade women. The program is designed to provide young women with an opportunity to participate in hands-on labs and workshops relating to the physical and life sciences, engineering, and mathematics.

The Douglass Science Career Exploration Day is an event for NJ high school women in grades 11 and 12 and their parents or guardians. Professional women from a diversity of backgrounds and disciplines, present panel discussions to create an awareness of the multitude of career paths that are available today. Educational backgrounds, career history, current research projects and networking techniques are discussed.

Precollege Program

New Jersey Governor's School of Engineering and Technology

Rutgers, The State University of New Jersey - School of Engineering

NJ Higher Education Sector: Public Research University

Year Began: 2001

Participants Served: 100

CONTACT INFORMATION

Donald M. Brown, Associate Dean/Director

Rutgers University - School of Engineering

98 Brett Road, Piscataway, NJ 08854

Telephone: 732.445.2687

Fax: 732.445.5878

Email: dmbrown@rci.rutgers.edu

Web Site: <http://coewww.rutgers.edu/osp/gs.html> or <http://www.govschool.org/new/>

Partners: NJ State Board of Education

DESCRIPTION

The Governor's School of Engineering and Technology presents a summer enrichment program that nurtures the talents of academically gifted students, as related specifically to the fields of engineering, technology, and information technology. In addition to general knowledge regarding the various engineering disciplines, participants gain an awareness of not only the professional and personal impact that engineering and technology have on their lives but also the developing opportunities in the world of research. Scholars leave the program with a genuine understanding of the importance of teamwork in a professional setting, including both individual styles of interaction well as group dynamics.

During this four-week residential summer program, participants study a rigorous and ambitious curriculum, including classes, tours, and guest lecturers. Scholars are assigned to work on collaborative research projects in various engineering disciplines. Concluding the program, each of these groups formally present their research to peers, family, and distinguished guests.

The Academy at Rutgers for Girls in Engineering & Technology (TARGET)

Rutgers, The State University of New Jersey - School of Engineering

NJ Higher Education Sector: Public Research University

Year Began: 1997

Participants Served: 45

CONTACT INFORMATION

Evelyn Hanna, Program Development Specialist

Rutgers University School of Engineering

Office of Student Development, 98 Brett Road, Piscataway, NJ 08854-8058

Telephone: 732.445.2687 x19

Fax: 732.445.5878

Email: evelynh@rci.rutgers.edu

Web Site: <http://coewww.rutgers.edu/osp/target/target.html>

Partners: Statewide NJ Public & Private Schools, Rutgers University Chapter of the Society of Women Engineers, Lucent Technologies, NJ Space Grant Consortium, Engineering Information Foundation

DESCRIPTION

The Academy at Rutgers for Girls in Engineering and Technology is specifically designed to familiarize girls with the various types of engineering disciplines and to instill a feeling of mathematical and scientific accomplishment within the participants. TARGET runs in two two-week sessions with 25 7th and 8th grade girls in the first session and 20 9th and 10th grade girls in the second session. TARGET program curricula and schedule consists of 9 days packed with exciting projects and interesting labs. TARGET runs in the summer throughout July. A Saturday academy runs throughout the academic year on a once-a-month basis.

Precollege Program

The Engineering Experience for Minorities

Rutgers, The State University of New Jersey - School of Engineering

NJ Higher Education Sector: Public Research University

Year Began: 1980

Participants Served: 16-24

CONTACT INFORMATION

Donald Brown, Associate Dean

School of Engineering, Office of Student Development

98 Brett Road, Piscataway, NJ 08854-8058

Telephone: 732.445.2687

Fax: 732.445.5878

Email: dmbrown@rci.rutgers.edu

Web Site: <http://coewww.rutgers.edu/osp/>

Partners: Newark School District

DESCRIPTION

By attending TEEM, students will be exposed to the various disciplines available in engineering, along with the demand faced in these exciting fields. Through full and challenging weekly schedules and working in small groups, students will experience the synergistic benefits of teamwork. Finally, the research model of TEEM will prepare students to consider an undergraduate engineering education and even graduate school as an additional option. The program also helps develop problem solving, communication, and leadership skills. The program runs during the summer for a period of two weeks.

Pharmacy Education Program

Rutgers, The State University of New Jersey, Ernest Mario School of Pharmacy

NJ Higher Education Sector: Public Research University

Year Began: 1981

Participants Served: 5

CONTACT INFORMATION

Nancy Cintron-Budet, Assistant Dean for Student Development

Rutgers, The State University of New Jersey, Ernest Mario School of Pharmacy

160 Frelinghuysen Road, Piscataway, NJ 08854

Telephone: (732) 445-2678 x629

Fax: (732) 445-5767

Email: ncb@rci.rutgers.edu

DESCRIPTION

The Pharmacy Education Summer Enrichment Program (PEP) is available to a select number of high school students to aid them in their transition from high school to college. The program will assist students to compete more effectively for admission to the School of Pharmacy.

The Summer Pre-College Enrichment Program emphasizes the following areas: special instruction in mathematics with an emphasis on word problems; sessions in reading comprehension, grammar, writing, and verbal skills; orientation and introduction to concepts in general chemistry; an introduction to a pharmacy course; exposure to laboratory environment with an emphasis on compounding and formulating; and small group tutoring in each of the subject areas listed above.

Precollege Program

Project GRAD

Rutgers University
NJ Higher Education Sector: Public Research University
Year Began: 1999

CONTACT INFORMATION

Jean E. Giaimis, Co-Director
Rutgers University
175 University Ave., Newark, NJ 07102
Telephone: (973) 353-1675
Fax: (973) 353-5700
Email: jean_giaimis@yahoo.com
Partners: Central High School, Malcolm X Shabazz High School

DESCRIPTION

Project GRAD (Graduation Really Achieves Dreams) is a program which began in Texas in the early 1990's. It is funded by Lucent Technologies Foundation. This program was brought to Newark, New Jersey in 1999. At that time, Rutgers-Newark and other academic institutions within Essex County became the host school for the Project GRAD students who were members of Malcolm X Shabazz High School.

The purpose of the program is to: assist in student retention within the high school; create awareness of college life; develop an attitude of academic culture within each student's mindset; create awareness of possible professional careers; and engender an interest on the part of the students to make college a goal.

Each summer, each host school chooses a theme and shapes the curriculum for the 4 weeks the Project GRAD Scholars are on their respective campuses. The summer 2004 theme at Rutgers-Newark was "Sustainability of the Environment." The academic curriculum was shaped in such a way as to challenge and intellectually stimulate the students and at the same time stress certain New Jersey Core Academic Standards.

Saturday Academy

Rutgers University
NJ Higher Education Sector: Public Research University
Year Began: 1989 Participants Served: 100

CONTACT INFORMATION

Jean E. Giaimis, Project Director/Academic Support Specialist
Rutgers University
175 University Ave., Newark, NJ 07102
Telephone: (973) 353-1675
Fax: (973) 353-5700
Email: jean_giaimis@yahoo.com
Partners: high schools in Irvington and Newark

DESCRIPTION

The Saturday Academy was established in 1983 for the purpose of preparing high school juniors for the Scholastic Aptitude Test (SAT). The program has served a total of approximately 1000 students between 1989 and 2000. The goals of the Academy are the following to improve students' test-taking strategies and to improve students' intellectual approach to learning.

The Saturday Academy is a review program that serves the Newark and Irvington School districts. The program, which is 4 semesters long, runs for a total of 18 weeks during the academic year. The Saturday Academy is unique in that it educates the "whole student." While substantive instruction is given in mathematics and in language arts, the program also engenders within its students a sense of being part of a learning community. To this end, the program is noncompetitive and insures that instructors manifest a caring attitude towards students. Academic advising is provided in the fall semester both to the students as a group and to individual students. This component of the Academy entails a discussion of financial aid planning, college choices and essay writing for admission to colleges. Because the Academy realizes the importance of including parents as advocates for their child's future, seminars are also provided for the parents.

Precollege Program

Summer Ethics Institute

Rutgers University Business School

NJ Higher Education Sector: Public Research University

Year Began: 2003

Participants Served: 30

CONTACT INFORMATION

Edwin M. Hartman, Professor

Rutgers University Business School

111 Washington Avenue, Newark, NJ 07102

Telephone: (973) 353-5987

Email: hartman@business.rutgers.edu

Web Site: <http://www.pruethics.rutgers.edu>

Partners: high schools in Newark

DESCRIPTION

The mission of the program is to educate Newark-area high school students in ethics, particularly with respect to business. We aim to introduce business as an honorable and interesting profession and to give students a sense of the importance of college-level introductory work. The students take a series of seminars, led mostly by Rutgers faculty, on appropriate subjects. They live in dormitories and experience life at the Rutgers-Newark campus.

Project SEED

Rutgers University Newark

NJ Higher Education Sector: Public Research University

Year Began: 1990

Participants Served: 2

CONTACT INFORMATION

W. Philip Huskey, Chair, Dept. of Chemistry

Rutgers University Newark

73 Warren Street, Newark, NJ 07102

Telephone: (973) 353-5329

Fax: (973) 353-1264

Email: ugrad@newark.rutgers.edu

Web Site: <http://chemistry.rutgers.edu>

DESCRIPTION

The American Chemical Society funds Project SEED and supports students from economically disadvantaged families in summer research positions. High school students in the junior or senior year work with faculty on science projects in research laboratories. They present their findings at a symposium in September.

Friday Afternoon Chemistry Outreach

Rutgers University-Newark

NJ Higher Education Sector: Public Research University

Year Began: 1992

Participants Served: 12

CONTACT INFORMATION

W. Philip Huskey, Chair, Dept. of Chemistry

Rutgers University-Newark

73 Warren Street, Newark, NJ 07102

Telephone: (973) 353-5329

Fax: (973) 353-1264

Email: ugrad@newark.rutgers.edu

Web Site: <http://chemistry.rutgers.edu>

Partners: Arts High School

DESCRIPTION

During the spring term, students from Arts High School in Newark meet with faculty from the Chemistry Department at Rutgers University-Newark. Students, with the faculty's assistance, run experiments and participate in laboratory demonstrations. The meetings are held in a teaching laboratory in the Chemistry Department at the university.

Precollege Program

Project M.O.S.T. Middle School Opportunities in Science & Technology

Rutgers University-Newark

NJ Higher Education Sector: Public Research University

Year Began: 2002

Participants Served: 93

CONTACT INFORMATION

C. Damon Griffin, Project Coordinator

Rutgers University-Newark

175 University Avenue, Newark, NJ 07040

Telephone: (973) 353-5243

Fax: (973) 353-5700

Email: cgriffin@andromeda.rutgers.edu

Partners: G.W. Carver Middle School, North Star Academy Middle School

DESCRIPTION

The primary goal of Project M.O.S.T. is to ensure that each middle school student maintains high academic achievement in science, as well as cultivates an interest in pursuing a career in science. Through tutoring, hands-on science experiments, enrichment field trips, and other stimulating activities, Project M.O.S.T. will help students explore the world of science while simultaneously expanding their horizons. Hopefully, by exposing the students to new ideas and resources at Rutgers University, they will maintain high academic performance and aspire to go to college.

Shabazz Project

Rutgers University-Newark

NJ Higher Education Sector: Public Research University

Year Began: 1997

Participants Served: 20

CONTACT INFORMATION

Alexander Sannella, Associate Professor, Accounting

Rutgers University-Newark

180 University Avenue, Newark, NJ 07102

Telephone: (973) 353-5680

Fax: (973) 353-1283

Email: sannella@rci.rutgers.edu

Partners: Shabazz High School, Westside High School

DESCRIPTION

The Shabazz Project is a summer camp in accounting, sponsored by PricewaterhouseCoopers in conjunction with the National Association of Black Accountants. Twenty students are selected to participate in a three credit college course; tuition and fees are waived. Students from the high schools also participate in field trips to local accounting offices, workshops, and CASE competitions.

Summer Scholar Program

Saint Peter's College

NJ Higher Education Sector: Independent College or University

Year Began: 1970

Participants Served: 75

CONTACT INFORMATION

Anna Brown, Ph.D., Director/Assistant Professor

Saint Peter's College

2641 Kennedy Blvd, Jersey City, NJ 07306

Telephone: (201) 915-9242

Web Site: www.spc.edu

DESCRIPTION

Program Services (Academic):

Academically accelerated courses below the college level, e.g. A.P., Reading/Writing Instruction, Math/Science Instruction, Critical Thinking Skill Development

Program Services (Other):

Social Skills Development/Confidence Building, College Awareness, Career Counseling, Mentoring, Cultural Activities

Precollege Program

Rising Stars

Salem Community College
NJ Higher Education Sector: Community College
Year Began: 2000 Participants Served: 15

CONTACT INFORMATION

Dr. Reva Curry, Dean, Student Services
Salem Community College
460 Hollywood Avenue, Carney's Point, NJ 08069
Telephone: (856) 351-2696
Fax: (856) 299-9193
Email: curry@salemcc.org
Partners: Penns Grove High School, Salem High School, Woodstown High School, Pennsville High
Pennsville High
Pennsville High School

DESCRIPTION

The Rising Stars program helps high school students from the Penns Grove, Pennsville, Salem, and Woodtown areas prepare for collegiate success. The comprehensive program consists of a five-week training series each summer at the college. Students focus on English, reading, and math in preparation for the SAT examination.

The immediate goal is to show students what colleges and universities expect from them and to help them meet and exceed those expectations. The long-term goal is for students to realize that they have what it takes to achieve their dreams and be productive members of their communities.

Salem County High Schools' Robotics Team

Salem Community College
NJ Higher Education Sector: Community College
Year Began: 1999 Participants Served: 15

CONTACT INFORMATION

Pam Halter, Manager
Salem Community College
460 Hollywood Avenue, Carney's Point, NJ 08069
Telephone: (609) 828-4764
Fax: (856) 351-2634
Web Site: www.salemcc.edu
Partners: Penns Grove, Carney's Point, Woodstown, Pilesgrove, Pittsgrove, Pennsville, and Salem School Districts
☐ County Vocational-Technical

DESCRIPTION

The Salem County Robotics Team is affiliated with FIRST (For Inspiration and Recognition of Science and Technology), a non-profit organization created to inspire an appreciation of science and technology in young people. High school students and technical mentors work as a team to design and build a robot that solves a problem using a common "kit of parts" and a standard set of rules. After building a new robot each winter, the Salem County team competes in regional and national events sponsored by FIRST. The FIRST Robotics Competitions bring together high school students, mentors, parents, and volunteers.

Salem County School to Careers

Salem Community College
NJ Higher Education Sector: Community College
Participants Served: 27

CONTACT INFORMATION

Glen Donelson, Project Director, Pennsville Board of Education
Salem Community College
30 Church Street, Pennsville, NJ 08076
Telephone: (856) 540-6203
Fax: (856) 678-7565
Email: gdonelso@pennsville.k12.nj.us
Partners: schools in Salem County

DESCRIPTION

The Salem County School to Careers program helps young people realize that postsecondary education is critical to obtaining high-skill, high-wage employment. The program is open to any students between the ages of 16 and 25 who lack a high school diploma. Each morning, the program participants attend their local high school or one of the county's three adult schools. Three afternoons per week, the students attend Salem Community College, earning college credit in career-specific or career-skills classes. In the summer, they participate in paid-work experiences that parallel the career pathway they choose at school.

Precollege Program

Salem County Science Fair

Salem Community College

NJ Higher Education Sector: Community College

Year Began: 1990 Participants Served: 400

CONTACT INFORMATION

Joan Baillie, Dean Academic Affairs
Salem County Science Fair
460 Hollywood Avenue, Carneys Point, NJ 08069-2799
Telephone: (856) 351-2645
Email: baillie@salemcc.edu
Web Site: www.salemcc.edu

Partners: Strang School, Marexcel Academy, Halter Home School, Salem County Vocational Technical

DESCRIPTION

Salem County's fifth through twelfth grade students participate in the Annual Salem County Science Fair, sponsored by Dupont Partners in Science. The fair allows students to apply what they have learned in school. Participants concentrate on an area of special interest, collecting and analyzing data while following the scientific method. Students also practice public speaking and presentation skills during an interview with judges. Area teachers and professionals serve as judges. Students can win savings bonds at this level; successful sixth through twelfth graders are eligible to continue on to the Delaware Valley Science Fair, where they can win college scholarships.

Educational Talent Search Project

Seton Hall University

NJ Higher Education Sector: Independent College or University

Year Began: 1968 Participants Served: 847

CONTACT INFORMATION

Yocasta Ramos, Director
Seton Hall University
2312 Mickle Street, Camden, NJ 08105
Telephone: (973) 761-9419
Fax: (973) 275-2197
Email: ponderer@shu.edu

Partners: Newark School District

DESCRIPTION

The Educational Talent Search Project of Seton Hall University is a federally-funded career and college counseling program servicing economically disadvantaged students in Newark's public and parochial schools. The Project's primary goal is to encourage and assist students to apply and gain admission to institutions of higher education, technical schools, or continuing education programs throughout the United States. Participants are provided with personal support counseling and the academic and financial aid information necessary for success in college. The Project also supports other students who are referred to the program via community agencies and other sources.

Upward Bound Project

Seton Hall University

NJ Higher Education Sector: Independent College or University

Year Began: 1966 Participants Served: 150

CONTACT INFORMATION

Erwin Ponder, Director
Seton Hall University
Mooney Hall, 400 South Orange Ave., South Orange, NJ 07079
Telephone: (973) 761-3419
Fax: (973) 275-2197
Email: ponderer@shu.edu

Partners: Newark, East Orange, Orange and Livingston School Districts

DESCRIPTION

The Seton Hall University Upward Bound Project combines federal and private funding to offer academic, counseling and cultural enrichment activities for disadvantaged, "at-risk" students in grades 9-12. The academic curriculum is High School Proficiency Assessment (HSPA)-based and conforms to the New Jersey Core Curriculum Content Standards. The project provides a full-time, six-week Adventure Based Learning non-residential summer program and a 24-week (Saturday only) academic year program for 200 low-income, first-generation high school students from the cities of Newark, Orange, East Orange, Irvington, Elizabeth, and Plainfield, New Jersey.

Precollege Program

STEP Upward Bound Project

Stevens Institute of Technology

NJ Higher Education Sector: Independent College or University

Year Began: 1968

Participants Served: 66

CONTACT INFORMATION

Anthony C. Culpepper Jr., Director, Upward Bound Project

Stevens Institute of Technology

One Castle Point on Hudson, Hoboken, NJ 07030

Telephone: (201) 216-5387

Fax: (201) 216-8946

Email: aculpepp@stevens-tech.edu

Partners: Newark, East Orange, Orange, Hoboken, Jersey City and Union City School Districts

DESCRIPTION

The Upward Bound Project at Stevens Institute of Technology is a science, mathematics, and engineering program which generates in high school students the skills and the motivation necessary to successfully complete a high school education and then pursue and complete a post secondary baccalaureate degree in science, mathematics and engineering. The Upward Bound Project provides services to low-income and first- generation high school students to enhance and develop their learning skills, which assure students' success in science, mathematics, and engineering curricula at all educational levels and careers.

The goal of the Upward Bound Project is to introduce participants who are underrepresented in the professions of science, mathematics, and engineering to an intense academic curriculum, exposure trips in science and engineering, cultural activities, and college field trips.

College for Teens

Union County College

NJ Higher Education Sector: Community College

Year Began: 2000

Participants Served: 100

CONTACT INFORMATION

Ms. Dale Munn, Director Lifelong Learning

Union County College

1033 Springfield Ave., Cranford, NJ 07016

Telephone: (908) 709-7678

Fax: (908) 709-7070

Email: munn@ucc.edu

Partners: Union County, 19 school districts

DESCRIPTION

The program, while adhering to the New Jersey Core Curriculum Content Standards, gives students the chance to explore a variety of careers in science, computer science, technology, and business disciplines. Students will learn how each discipline can be applied to various career options. Students will be challenged to expand themselves academically and creatively while pursuing their individual interests. Essential skills such as applied learning, career building, leadership development, problem solving, independent thinking, and self-esteem enhancement will be explored through formal class work, lectures, laboratory and/or projects, and field trips to local industry.

Precollege Program

The NJMS Smart Initiative

UMDNJ - New Jersey Medical School

NJ Higher Education Sector: Public Research University

Year Began: 1995

Participants Served: 150

CONTACT INFORMATION

Carmen McLaughlin, Assistant Director

UMDNJ - New Jersey Medical School

185 South Orange Avenue, MSB, A-550, Newark, NJ 07103

Telephone: (973) 972-5245

Email: guzmancl@umdnj.edu

Partners: Newark School District

DESCRIPTION

Hispanic Center of Excellence Gifted and Talented Elementary School Program - This is a weekend academy for Gifted and Talented Hispanic youth who have expressed an interest in science. The program, jointly sponsored with the FOCUS Hispanic Community Development Center I Newark, is offered for 20 Saturdays for students in grades 3-8. Hispanic Center of Excellence Summer Youth Program - The program's goal is to support the interest of Hispanic high school students in science and biomedical careers through exposure to clinical medicine. Academic enrichment includes leadership workshops, SAT preparation, interviewing techniques, and anatomy instruction.

Hispanic Center of Excellence InFoMed Program (Pre-college and undergraduate component)- This program complements existing NJMS summer academic enrichment programs by offering academic year, monthly workshops for Hispanic high school and undergraduate/graduate level students interested in entering a health profession, including medicine. Under this program, individual counseling is also provided.

Future American Scientist*Secondary/Teachers (FAS*S/T) Program - The program's goal is to expose 9th or 10th grade students to dissections, optical illusion, biomedical techniques, ethno mathematics, computer-interactive anatomy studies, career counseling, and skills development. This program is conducted every summer at Rutgers University, Newark Campus.

The NJMS Smart Initiative - Science, Math, and Related Topics

UMDNJ - New Jersey Medical School

NJ Higher Education Sector: Public Research University

Year Began: 1995

Participants Served: 150

CONTACT INFORMATION

Kathy Ann Duncan, M.D., Clinical Assistant Professor

UMDNJ - New Jersey Medical School

185 S. Orange Ave., Newark, NJ 07103

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Email: duncanks@umdnj.edu

Web Site: <http://www.umdnj.edu/smartweb>

Partners: Newark, East Orange, Irvington School Districts

DESCRIPTION

The mission of the SMART Program is to increase the awareness and interest of traditionally underrepresented minorities in science and health-related careers. The program offers students a chance to practice and develop "high order" thinking skills and the domain-independent competencies necessary for academic and workplace success. The program, designed for students grades 8th through 12th, is a set of precollege activities, including leadership training, problem solving, math and computer classes, college tours, and oral and written presentations. The students spend their time not only learning but having fun.

NJMS SMART Initiatives include:

BIOTREK: The Way to Go! - A program that explores human biology. Sample topics: body systems, muscles and bones, physics of motion, respiration, and injury prevention. Math, computers, and lots of field trips are also included. Applicants must currently be in 7th grade.

Fantastic Voyage - A program of scientific discovery. Sample topics: flight, sound, circulatory system, growth rates, ratios and proportions, tables and graphs. Math, computers, and lots of field trips are also included. Applicants must currently be in 8th grade.

EnviroQUEST - Explore connections between health, science, and environment. Emphasis on laboratory and research skills. Sample topics: bacteria, water, lead, poisons, radioactivity. Lots of field trips are also included. Applicants must currently be in 9th grade.

Mission: Health - Learn what becoming a health professional involves. Emphasis on community service and case-based learning where students work in small groups with medical students from UMDNJ to discuss health-related topics. Applicants must currently be in 10th grade.

Biomedical & Health/AP Sciences Research Apprenticeships - Participants work with professionals in classroom, clinical and/or research settings. AP science courses, SAT prep, college tours, college counseling, and lectures by health professionals are also offered. Applicants must currently be in 11th grade.

Precollege Program

Science Enrichment Program

UMNDJ-Robert Wood Johnson Medical School
NJ Higher Education Sector: Public Research University
Year Began: 1997 Participants Served: 30

CONTACT INFORMATION

Janice M. Johnson, M.D., Assistant Dean
UMNDJ-Robert Wood Johnson Medical School
675 Hoes lane, C-222, Piscataway, NJ 08854
Telephone: (732) 235-2144
Fax: (732) 235-2121
Partners: New Brunswick, Perth Amboy, Plainfield, Trenton and Elizabeth School Districts

DESCRIPTION

The SEP is an intensive 6-week summer program initiated in 1997, which offers a curriculum including academic courses, career information, and counseling. The academic courses include college biology lecture and laboratory, SAT math and verbal review, expository writing, academic computing, and cognitive skills sessions to enhance reading, writing, studying, and test-taking skills. The combination of courses is designed to expand participants' academic abilities and help with the transition to college. Eligibility is based on the Health Career Opportunity Program (HCOP) grants criteria for "educationally and economically disadvantaged students." All eligible students will be reviewed by the SEP admission committee.

Hispanic Center of Excellence Summer Youth Program

University of Medicine and Dentistry of New Jersey
NJ Higher Education Sector: Public Research University
Year Began: 1981 Participants Served: 25

CONTACT INFORMATION

Maria L. Soto-Greene, M.D., Senior Associate Dean for Education
University of Medicine and Dentistry of New Jersey
185 South Orange Avenue, MSB, C696, Newark, NJ 07103-2714
Telephone: (973) 972-3762
Fax: (973) 972-3768
Email: sotogrml@umdnj.edu
Partners: variety of high schools in the area

DESCRIPTION

The Hispanic Center of Excellence Summer Youth Program is a six-week federally funded program that begins in June and ends in August. This program is for students who have completed the 10th- or 11th-grade and are interested in science. During this period, students are exposed to the practice of medicine, SAT preparation, CPR certification, anatomy instruction, participation in a research project, and visits to colleges. Career counseling and skills development are also provided for program participants to ensure academic success.

Urban Scholars Program

University of Medicine and Dentistry of New Jersey
NJ Higher Education Sector: Public Research University
Year Began: 1990 Participants Served: 10-15

CONTACT INFORMATION

Clinton Dozier, Director, Pre-College Programs, UMDNJ-School of Health Related Professions
University of Medicine and Dentistry of New Jersey
Newark, NJ
Telephone: 973.972.9596
Email: dozier@umdnj.edu
Partners: Newark Public Schools, East Orange Public Schools, Irvington Public Schools

DESCRIPTION

The goal of the Urban Scholars Program is to prepare underrepresented minorities for careers in the health professions. The program's objectives are to provide an advanced enrichment experience so that graduating seniors can get a head start on their first year in college, and to expose students to a variety of health care professions. During the summer students take courses in pre-calculus, mathematics, and the art of academic survival. Tutoring, academic advisement and counseling sessions were also provided. Student engaged in research projects with faculty and/or University staff. Field trips are provided and students complete 6 hours of community service.

Precollege Program

Pre-College Academy/Project GRAD Newark

William Paterson University

NJ Higher Education Sector: State College or University

Year Began: 2001

Participants Served: 19

CONTACT INFORMATION

Janet Davis-Dukes, Director, Division of Academic Development

William Paterson University

300 Pompton Road, Wayne, NJ 07470-2103

Telephone: (973) 720-3103

Fax: (973) 720-3208

Email: davisdukesj@wpunj.edu

Partners: Malcolm X Shabazz High School, Central High School

DESCRIPTION

The goal of the project is to provide students with a developmental education program that emphasizes specific courses that will enable students to reinforce and/or develop their academic skills and abilities. Another goal of the project is to make students aware of the rigors of college life (i.e. course work, residence hall life, and collaborative study techniques) so that they will make a smooth transition from high school to college when the time occurs.
